

Converting Colors

XYZ(80.1033, 100.0000,
107.2466)

Have a look what the booklet for
XYZ(80.1033, 100.0000, 107.2466)
contains.

XYZ(74.8165, 89.6246, 105.4515)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.8165, 89.6246,
105.4515)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFFC
RGB	191, 255, 252
RGB Percent	75%, 100%, 99%
CMY	0.2510, 0.0000, 0.0118
CMYK	0.25, 0.00, 0.01, 0.00
HSL	177°, 100%, 87%
HSV	177°, 25%, 100%
XYZ	74.8165, 89.6246, 105.4515
YIQ	235.5220, -37.1810, -14.5010

Conversions

Conversions Part 2

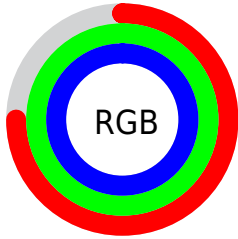
Format	Color
R_{YB}	191, 224, 255
Decimal	12582908
CIE Lab	95.84, -20.41, -5.05
CIE LCh	96, 21.027, 193.890
Yxy	89.6246, 0.2772, 0.3321
Android (android.graphics.Color)	4290772988 (0xFFBFFFC)
YUV	235.5220, 8.1237, -39.0458
Hunter-Lab	94.6703, -24.6071, 0.2271

Details

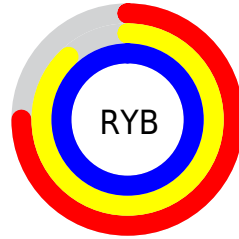
The XYZ color **74.8165, 89.6246, 105.4515** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6091, 62.4179, 59.4186**, and the grayscale version is **79.3236, 83.4546, 90.8821**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **40.1978, 49.5625, 59.0776** is the 20% darker color. If you saturate the color by 10%, you get **68.7640, 86.5262, 104.1844**, and if you desaturate by 10%, it is **81.9886, 93.3000, 106.7801**.

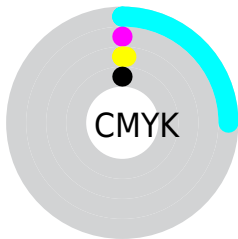
Distribution



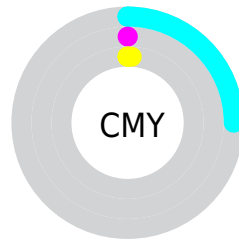
- Red (75%)
- Green (100%)
- Blue (99%)



- Red (75%)
- Yellow (88%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8165, 89.6246, 105.4515 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 74.8165, 89.6246, 105.4515 by changing the saturation by 10% instead.

74.8165, 89.6246,
105.4515

74.8165, 89.6246,
105.4515

466.2935,
526.8089, 598.9282

55.7562, 67.6693,
80.2189

125.0419,
146.8168, 170.7458

40.2437, 49.6288,
59.3713

156.9377,
182.8226, 211.6446

27.9137, 35.1185,
42.4901

193.8427,
224.2806, 258.6025

18.4007, 23.7542,
29.1568

236.1223,
271.5754, 312.0381

11.3395, 15.1514,
18.9529

284.1418,
325.0912, 372.3699

6.3646, 8.9257,
11.4598

338.2666,

3.1108, 4.6927,

385.2124, 440.0165

6.2589

398.8621,
452.3235, 515.3964

■ 1.2126, 2.0681,
2.9318

■ 0.1163, 0.6466,
1.0599

■ 74.8165, 89.6246,
105.4515

■ 74.8165, 89.6246,
105.4515

■ 68.7640, 86.5262,
104.1844

■ 81.9886, 93.3000,
106.7801

■ 63.7703, 83.9735,
102.9717

■ 90.3310, 97.5786,
108.1682

■ 59.7732, 81.9345,
101.8117

95.0500, 100.0000,
108.9000

■ 56.7031, 80.3732,
100.7014

■ 54.4811, 79.2490,
99.6369

■ 53.0155, 78.5146,
98.6139

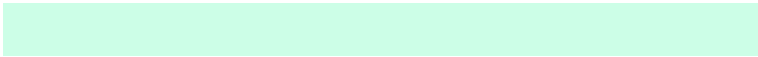
■ 52.1931, 78.1116,
97.6272

■ 51.9457, 77.9943,
97.1529

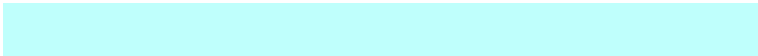
Harmonies

Analogous

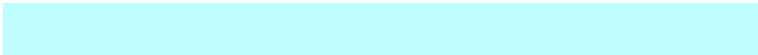
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9191, 89.6246, 88.9930



74.8165, 89.6246, 105.4515



77.4022, 89.6246, 121.4325

Triad

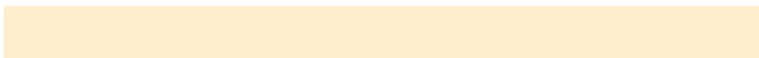
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8165, 89.6246, 105.4515



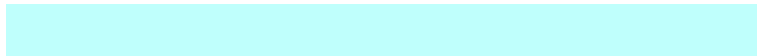
93.1492, 89.6246, 122.4475



88.3161, 89.6246, 70.0173

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



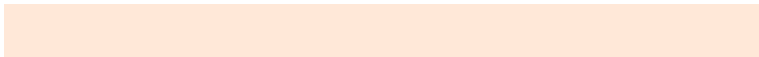
74.8165, 89.6246, 105.4515



69.6091, 62.4179, 59.4186

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4738, 89.6246, 77.0855



74.8165, 89.6246, 105.4515



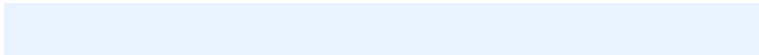
96.3494, 89.6246, 106.7150

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8165, 89.6246, 105.4515



87.8894, 89.6246, 131.9717



96.4708, 89.6246, 90.1216



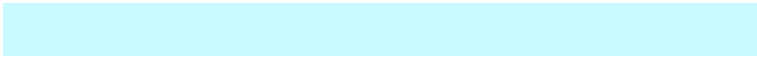
82.5376, 89.6246, 69.7609

Rectangle

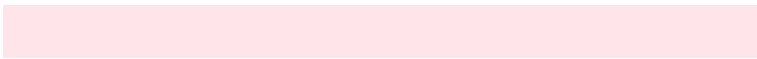
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.8165, 89.6246, 105.4515



80.3734, 89.6246, 129.1496



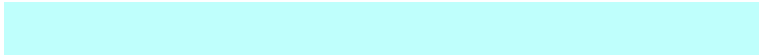
96.4708, 89.6246, 90.1216



90.1859, 89.6246, 71.6358

Sweetspot

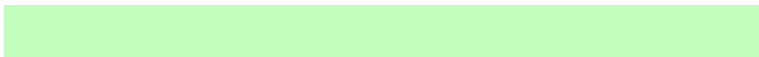
The Sweet Spot groups the original color and five complimentary colors.



74.8175, 89.6251, 105.4530



87.7855, 96.2728, 107.7588



67.4645, 86.7779, 62.4859



18.5159, 20.4659, 23.0199



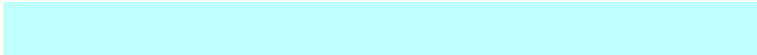
0.0000, 0.0000, 0.0000



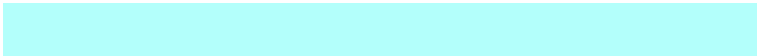
20.3446, 21.4041, 23.3091

Same Dimension

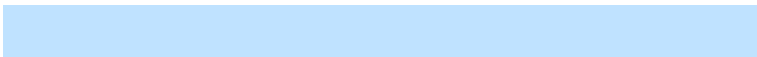
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8175, 89.6251, 105.4530



71.7133, 88.0355, 104.8239



66.7877, 72.7990, 105.1393



18.5159, 20.4659, 23.0199



27.1589, 40.7601, 50.8494



2.6553, 3.9730, 5.0085

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.6091, 62.4179, 59.4186



65.7122, 56.6810, 51.7786



76.1854, 76.1040, 59.9660



18.0439, 18.0009, 18.8481



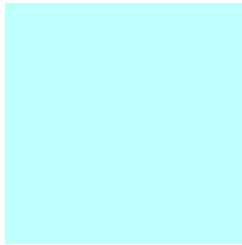
21.5979, 11.1284, 1.2670



2.1145, 1.0882, 0.1844

Previews

White Background



This preview shows how the XYZ color 74.8165, 89.6246, 105.4515 looks on a white background.

Color Contrast Check

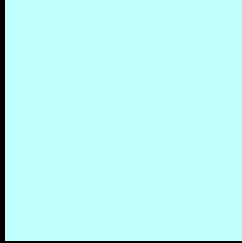
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 74.8165, 89.6246, 105.4515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

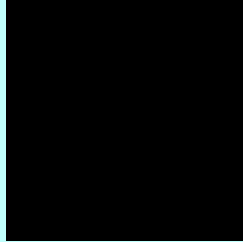
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

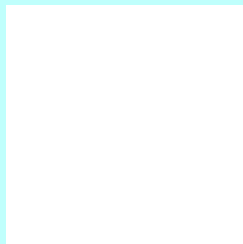
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.8165, 89.6246, 105.4515

Background



This preview shows how black text looks on a background with the XYZ color 74.8165, 89.6246, 105.4515.

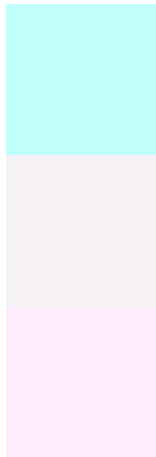


This preview shows how white text looks on a background with the XYZ color 74.8165, 89.6246,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

74.8165, 89.6246, 105.4515

Protanopia

85.7905, 89.0351, 98.2518

Deuteranopia

89.2538, 88.9202, 105.3876



Tritanopia

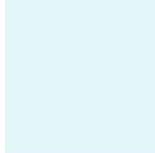
81.7462, 88.9788, 107.4739

Trichromacy



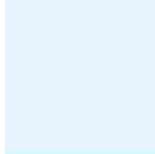
Original Color

74.8165, 89.6246, 105.4515



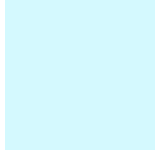
Protanomaly

81.1083, 88.7957, 100.8601



Deuteranomaly

83.3590, 88.9490, 105.7039



Tritanomaly

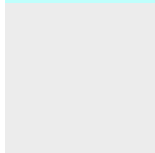
78.9165, 88.9042, 106.7668

Monochromacy



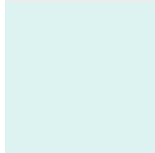
Original Color

74.8165, 89.6246, 105.4515



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.5928, 85.7276, 96.4619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.8165, 89.6246, 105.4515 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(191, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 252)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(191, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 252) }
```

Border

The CSS property to change the border of an element to XYZ 74.8165, 89.6246, 105.4515 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 255, 252) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(191, 255, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(191, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8165, 89.6246, 105.4515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 252) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(191,  
255, 252) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor