

Converting Colors

XYZ(76.3506, 85.9242,
107.1687)

Have a look what the booklet for
XYZ(76.3506, 85.9242, 107.1687)
contains.

XYZ(76.1560, 85.6466, 107.1253)	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(76.1560, 85.6466,
107.1253)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF5FF
RGB	206, 245, 255
RGB Percent	81%, 96%, 100%
CMY	0.1921, 0.0392, 0.0000
CMYK	0.19, 0.04, 0.00, 0.00
HSL	192°, 100%, 90%
HSV	192°, 19%, 100%
XYZ	76.1560, 85.6466, 107.1253
YIQ	234.4790, -26.4540, -5.1580

Conversions

Conversions Part 2

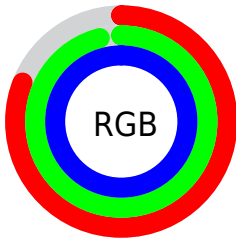
Format	Color
R_{YB}	206, 228, 255
Decimal	13563391
CIE _{Lab}	94.16, -10.43, -8.99
CIE _{LCh}	94, 13.768, 220.737
Yxy	85.6466, 0.2832, 0.3185
Android (android.graphics.Color)	4291753471 (0xFFCE5FF)
YUV	234.4790, 10.1169, -24.9761
Hunter-Lab	92.5454, -15.0662, -3.8489

Details

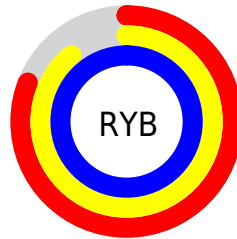
The XYZ color **76.1560, 85.6466, 107.1253** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.9362, 74.8270, 68.7823**, and the grayscale version is **78.5117, 82.6004, 89.9518**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1531, 47.0517, 60.3390** is the 20% darker color. If you saturate the color by 10%, you get **68.0918, 79.1881, 106.3037**, and if you desaturate by 10%, it is **85.4174, 92.7925, 108.0165**.

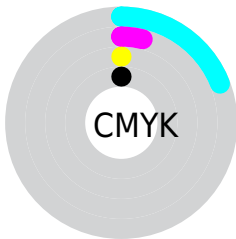
Distribution



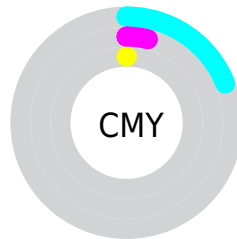
- Red (81%)
- Green (96%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1560, 85.6466, 107.1253 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 76.1560, 85.6466, 107.1253 by changing the saturation by 10% instead.

76.1560, 85.6466,
107.1253

76.1560, 85.6466,
107.1253

470.8177,
513.7652, 604.2441

56.8579, 64.3758,
81.6144

126.9266,
141.2762, 173.0520

41.1309, 46.9551,
60.5138

159.1298,
176.4038, 214.3049

28.6095, 33.0002,
43.4049

196.3655,
216.9191, 261.6422

18.9284, 22.1266,
29.8692

238.9989,
263.2065, 315.4825

11.7223, 13.9499,
19.4881

287.3955,
315.6505, 376.2443

6.6257, 8.0858,
11.8431

341.9206,

3.2734, 4.1499,

374.6353, 444.3462

6.5157

402.9396,
440.5454, 520.2066

■ 1.2999, 1.7578,
3.0873

■ 0.1832, 0.4607,
1.1394

■ 76.1560, 85.6466,
107.1253

■ 76.1560, 85.6466,
107.1253

■ 68.0918, 79.1881,
106.3037

■ 85.4174, 92.7925,
108.0165

■ 61.1624, 73.3775,
105.5474

95.0500, 100.0000,
108.9000

■ 55.3098, 68.1866,
104.8539

■ 50.4681, 63.5809,
104.2201

■ 46.5637, 59.5219,
103.6425

■ 43.5128, 55.9659,
103.1169

■ 41.2160, 52.8611,
102.6386

■ 39.5233, 50.1295,
102.2006

■ 39.4017, 49.9234,
102.1672

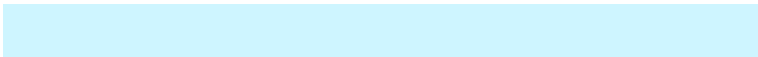
Harmonies

Analogous

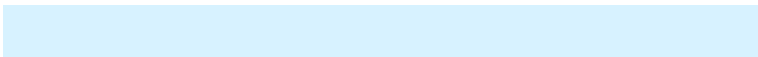
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6436, 85.6466, 97.0842



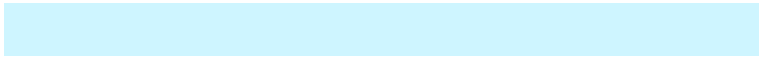
76.1560, 85.6466, 107.1253



79.0907, 85.6466, 113.7395

Triad

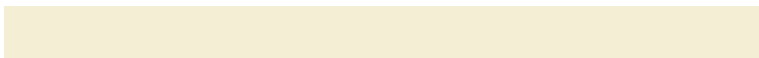
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1560, 85.6466, 107.1253



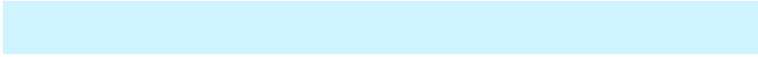
88.2740, 85.6466, 100.1063



80.0923, 85.6466, 74.7148

Complementary

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



76.1560, 85.6466, 107.1253



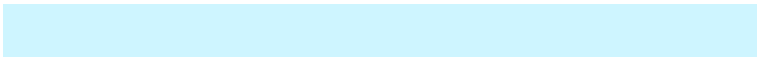
76.9362, 74.8270, 68.7823

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.



83.7630, 85.6466, 75.3899



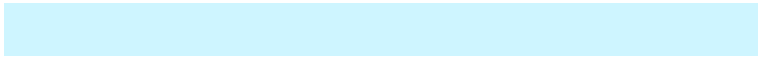
76.1560, 85.6466, 107.1253



88.5619, 85.6466, 89.5270

Square

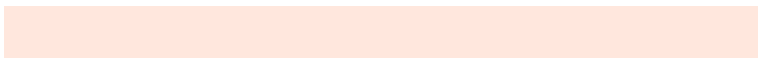
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1560, 85.6466, 107.1253



86.1137, 85.6466, 109.4806



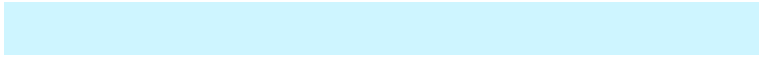
86.8888, 85.6466, 80.6361



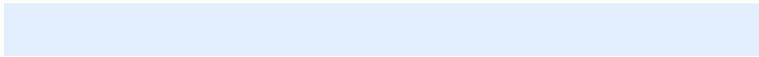
76.8702, 85.6466, 78.7166

Rectangle

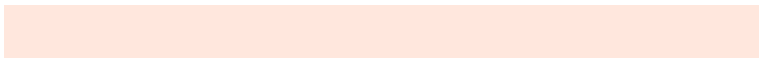
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.1560, 85.6466, 107.1253



81.4957, 85.6466, 115.0386



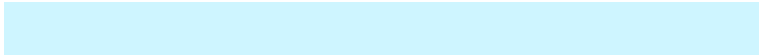
86.8888, 85.6466, 80.6361



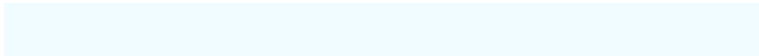
81.3134, 85.6466, 74.4104

Sweetspot

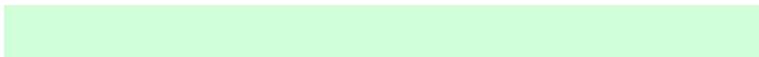
The Sweet Spot groups the original color and five complimentary colors.



76.1583, 85.6500, 107.1259



88.6558, 95.2376, 108.3178



73.5835, 89.5898, 78.2461



18.8329, 20.2771, 23.1712



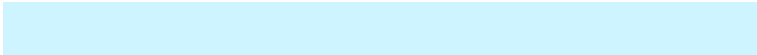
0.0000, 0.0000, 0.0000



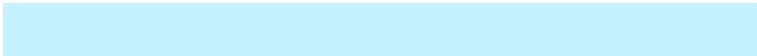
20.3446, 21.4041, 23.3091

Same Dimension

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



76.1583, 85.6500, 107.1259



72.9674, 83.1254, 106.8068



69.2822, 71.8978, 104.8339



18.2217, 19.8150, 23.1142



20.6982, 26.3059, 53.4212



2.0910, 2.7128, 5.2267

Inverse Universe

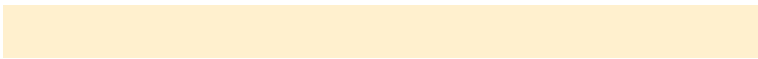
The Inverse Universe completely reimagines the original color for something new.



79.7942, 71.9968, 96.0813



77.2420, 67.3712, 93.7552



83.6296, 88.2138, 71.0135



18.6245, 18.2331, 21.9060



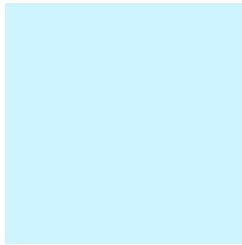
27.2357, 13.3836, 30.9552



2.6901, 1.3184, 3.2153

Previews

White Background



This preview shows how the XYZ color 76.1560, 85.6466, 107.1253 looks on a white background.

Color Contrast Check

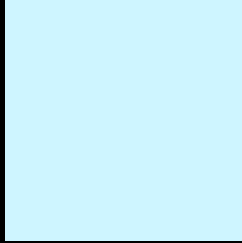
Large Text (above 18pt) WCAG AA × Fail

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 76.1560, 85.6466, 107.1253 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 76.1560, 85.6466, 107.1253

Background



This preview shows how black text looks on a background with the XYZ color 76.1560, 85.6466, 107.1253.

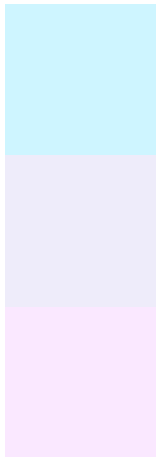


This preview shows how white text looks on a background with the XYZ color 76.1560, 85.6466,

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

76.1560, 85.6466, 107.1253

Protanopia

82.5107, 85.0702, 102.5139

Deuteranopia

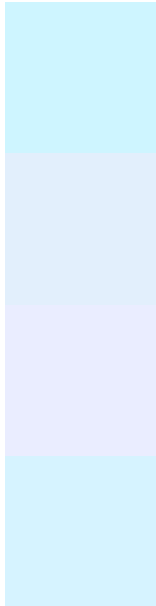
86.3310, 85.2572, 106.5139



Tritanopia

78.7156, 85.6297, 106.9872

Trichromacy



Original Color

76.1560, 85.6466, 107.1253

Protanomaly

79.8012, 84.9300, 104.2826

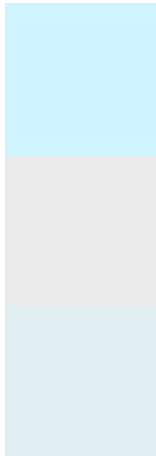
Deuteranomaly

82.2659, 85.2808, 106.7327

Tritanomaly

77.8321, 85.6173, 107.0313

Monochromacy



Original Color

76.1560, 85.6466, 107.1253

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.3420, 83.4072, 96.0272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1560, 85.6466, 107.1253 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(206, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 245, 255)  
}
```

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(206, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.1560, 85.6466, 107.1253 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(206, 245, 255) }
```


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

```
.border{ border-color:rgb(206, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1560, 85.6466, 107.1253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 245, 255) }
```

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

```
.background{ background-color: rgb(206,  
245, 255) }
```

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