

Converting Colors

XYZ(81.3640, 100.0000,
113.8326)

Have a look what the booklet for
XYZ(81.3640, 100.0000, 113.8326)
contains.

XYZ(75.8023, 90.0775, 107.9992)	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(75.8023, 90.0775,
107.9992)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFFF
RGB	193, 255, 255
RGB Percent	76%, 100%, 100%
CMY	0.2431, 0.0000, 0.0000
CMYK	0.24, 0.00, 0.00, 0.00
HSL	180°, 100%, 88%
HSV	180°, 24%, 100%
XYZ	75.8023, 90.0775, 107.9992
YIQ	236.4620, -36.9520, -13.1440

Conversions

Conversions Part 2

Format	Color
R_{YB}	193, 224, 255
Decimal	12713983
CIE _{Lab}	96.03, -19.20, -6.30
CIE _{LCh}	96, 20.212, 198.174
Yxy	90.0775, 0.2768, 0.3289
Android (android.graphics.Color)	4290904063 (0xFFC1FFFF)
YUV	236.4620, 9.1392, -38.1162
Hunter-Lab	94.9092, -23.5262, -1.0310

Details

The XYZ color **75.8023, 90.0775, 107.9992** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.9365, 63.2516, 58.9765**, and the grayscale version is **80.0350, 84.2030, 91.6971**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **40.8684, 49.8687, 60.8977** is the 20% darker color. If you saturate the color by 10%, you get **69.8528, 87.0104, 107.7208**, and if you desaturate by 10%, it is **82.8741, 93.7231, 108.3302**.

Distribution



- Red (76%)
- Green (100%)
- Blue (100%)



- Red (76%)
- Yellow (88%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8023, 90.0775, 107.9992 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 75.8023, 90.0775, 107.9992 by changing the saturation by 10% instead.

75.8023, 90.0775,
107.9992

75.8023, 90.0775,
107.9992

469.6255,
528.2829, 607.0100

56.5669, 68.0449,
82.3436

126.4293,
147.4460, 174.2547

40.8964, 49.9343,
61.1113

158.5515,
183.5508, 215.6916

28.4255, 35.3612,
43.8839

195.7001,
225.1151, 263.2260

18.7887, 23.9412,
30.2427

238.2404,
272.5232, 317.2765

11.6208, 15.2900,
19.7693

286.5377,
326.1597, 378.2617

6.5564, 9.0232,
12.0450

340.9574,

3.2301, 4.7563,

386.4089, 446.5999

6.6514

401.8649,
453.6552, 522.7098

■ 1.2766, 2.1050,
3.1700

■ 0.1656, 0.6674,
1.1821

■ 75.8023, 90.0775,
107.9992

■ 75.8023, 90.0775,
107.9992

■ 69.8528, 87.0104,
107.7208

■ 82.8741, 93.7231,
108.3302

■ 64.9658, 84.4910,
107.4921

■ 91.1192, 97.9736,
108.7160

■ 61.0795, 82.4876,
107.3102

95.0500, 100.0000,
108.9000

■ 58.1247, 80.9643,
107.1719

■ 56.0234, 79.8811,
107.0736

■ 54.6852, 79.1912,
107.0110

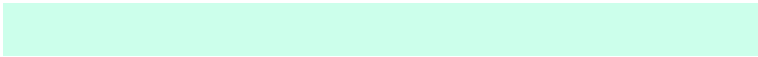
■ 53.9990, 78.8374,
106.9788

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

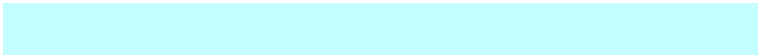
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5186, 90.0775, 91.9033



75.8023, 90.0775, 107.9992



78.6448, 90.0775, 122.8581

Triad

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



75.8023, 90.0775, 107.9992



93.8796, 90.0775, 120.0779



87.8382, 90.0775, 70.9243

Complementary

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



75.8023, 90.0775, 107.9992



69.9365, 63.2516, 58.9765

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.



92.9874, 90.0775, 76.8782



75.8023, 90.0775, 107.9992



96.5755, 90.0775, 104.5255

Square

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



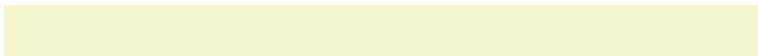
75.8023, 90.0775, 107.9992



89.0131, 90.0775, 130.3375



96.2421, 90.0775, 88.7858



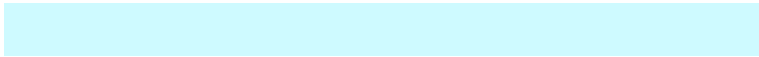
82.3064, 90.0775, 71.6376

Rectangle

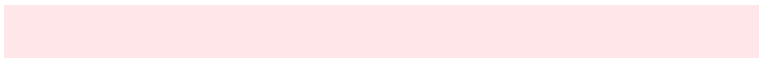
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8023, 90.0775, 107.9992



81.6808, 90.0775, 129.5279



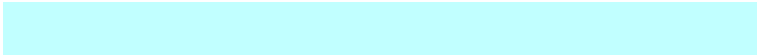
96.2421, 90.0775, 88.7858



89.6755, 90.0775, 72.1833

Sweetspot

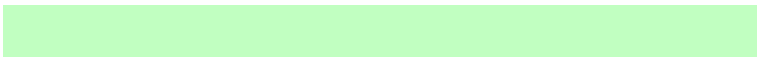
The Sweet Spot groups the original color and five complimentary colors.



75.8030, 90.0778, 107.9993



88.7852, 96.7704, 108.6068



67.3790, 86.7082, 63.6389



18.8940, 20.6563, 23.2412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

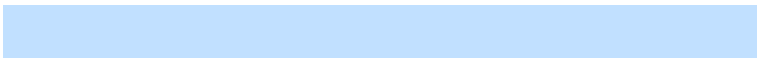
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8030, 90.0778, 107.9993



72.8778, 88.5698, 107.8624



66.6991, 71.8699, 104.9646



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



78.3606, 66.6212, 103.3369



75.8240, 61.5481, 102.4913



77.5220, 78.4225, 61.5049



18.7928, 18.3004, 22.7918



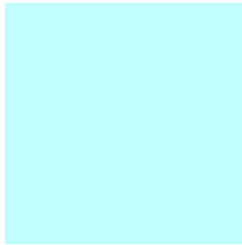
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 75.8023, 90.0775, 107.9992 looks on a white background.

Color Contrast Check

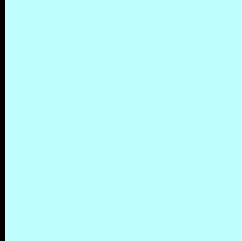
Large Text (above 18pt) WCAG AA × Fail

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 75.8023, 90.0775, 107.9992 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 75.8023, 90.0775, 107.9992

Background



This preview shows how black text looks on a background with the XYZ color 75.8023, 90.0775, 107.9992.

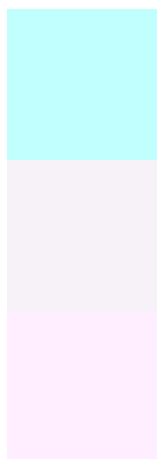


This preview shows how white text looks on a background with the XYZ color 75.8023, 90.0775,

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

75.8023, 90.0775, 107.9992

Protanopia

86.5467, 89.8125, 100.7697

Deuteranopia

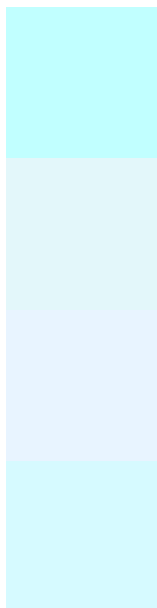
89.8645, 89.6291, 107.1715



Tritanopia

82.6748, 89.9103, 107.6047

Trichromacy



Original Color

75.8023, 90.0775, 107.9992

Protanomaly

82.1946, 89.7545, 103.4347

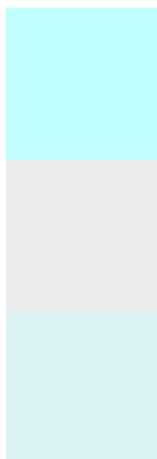
Deuteranomaly

83.6794, 89.0772, 107.3910

Tritanomaly

79.9672, 89.8874, 107.7430

Monochromacy



Original Color

75.8023, 90.0775, 107.9992

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

77.7435, 85.7879, 97.2552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8023, 90.0775, 107.9992 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(193, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 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(193, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.8023, 90.0775, 107.9992 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(193, 255, 255) }
```


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

```
.border{ border-color:rgb(193, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8023, 90.0775, 107.9992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 255) }
```

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

```
.background{ background-color: rgb(193,  
255, 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