

Converting Colors

XYZ(80.6741, 92.7827, 99.4753)

Have a look what the booklet for
XYZ(80.6741, 92.7827, 99.4753)
contains.

XYZ(80.7044, 92.8034, 99.2472)	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(80.7044, 92.8034,
99.2472)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFF4
RGB	217, 255, 244
RGB Percent	85%, 100%, 96%
CMY	0.1490, 0.0000, 0.0431
CMYK	0.15, 0.00, 0.04, 0.00
HSL	163°, 100%, 93%
HSV	163°, 15%, 100%
XYZ	80.7044, 92.8034, 99.2472
YIQ	242.3840, -19.1170, -11.4770

Conversions

Conversions Part 2

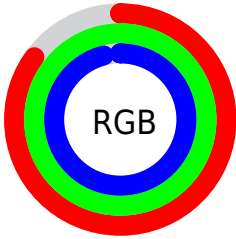
Format	Color
R_{YB}	217, 239, 255
Decimal	14286836
CIE _{Lab}	97.15, -14.24, 1.17
CIE _{LCh}	97, 14.287, 175.322
Yxy	92.8034, 0.2959, 0.3402
Android (android.graphics.Color)	4292476916 (0xFFD9FFF4)
YUV	242.3840, 0.7967, -22.2618
Hunter-Lab	96.3345, -19.0468, 6.3515

Details

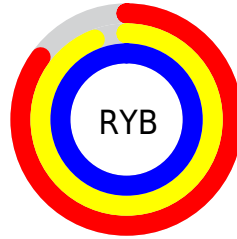
The XYZ color **80.7044, 92.8034, 99.2472** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0570, 76.4882, 83.9432**, and the grayscale version is **84.7066, 89.1179, 97.0494**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1715, 51.7004, 55.2280** is the 20% darker color. If you saturate the color by 10%, you get **72.6031, 88.7539, 93.1354**, and if you desaturate by 10%, it is **90.0235, 97.4754, 105.6532**.

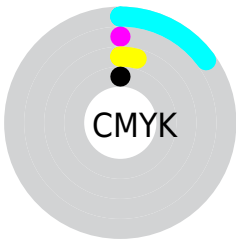
Distribution



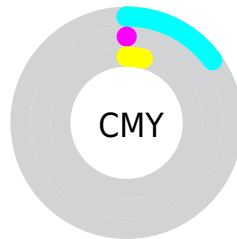
- Red (85%)
- Green (100%)
- Blue (96%)



- Red (85%)
- Yellow (94%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7044, 92.8034, 99.2472 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 80.7044, 92.8034, 99.2472 by changing the saturation by 10% instead.


 80.7044, 92.8034,
99.2472

 80.7044, 92.8034,
99.2472


486.0040,
537.1086, 579.0025

 60.6086, 70.3081,
75.0586


133.3010,
151.2264, 162.1651

 44.1607, 51.7778,
55.1589

166.5325,
187.9229, 201.7315

 30.9953, 36.8280,
39.1295

204.8733,
230.1219, 247.2610

 20.7471, 25.0743,
26.5519

248.6887,
278.2078, 299.1720

 13.0507, 16.1324,
17.0075

298.3441,
332.5651, 357.8831

 7.5407, 9.6179,
10.0778

354.2049,

 3.8518, 5.1464,

393.5780, 423.8129

5.3443

416.6364,
461.6311, 497.3798

■ 1.6186, 2.3334,
2.3884

■ 0.4045, 0.7913,
0.7801

■ 80.7044, 92.8034,
99.2472

■ 80.7044, 92.8034,
99.2472

■ 72.6031, 88.7539,
93.1354

■ 90.0235, 97.4754,
105.6532

■ 65.6627, 85.2978,
87.3081

95.0500, 100.0000,
108.9000

■ 59.8260, 82.4056,
81.7613

■ 55.0293, 80.0445,
76.4891

■ 51.2026, 78.1786,
71.4856

■ 48.2668, 76.7670,
66.7440

■ 46.1297, 75.7624,
62.2572

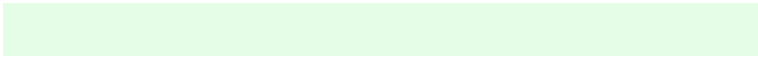
■ 44.6783, 75.1065,
58.0166

■ 44.1202, 74.8641,
55.9445

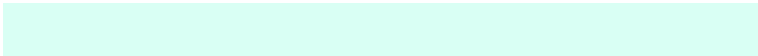
Harmonies

Analogous

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



81.9846, 92.8034, 88.9349



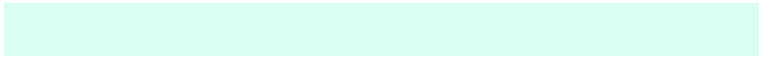
80.7044, 92.8034, 99.2472



81.3839, 92.8034, 110.8426

Triad

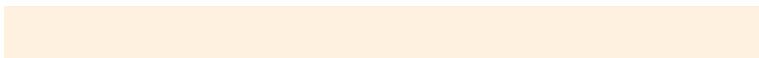
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7044, 92.8034, 99.2472



91.5639, 92.8034, 122.4720



92.6912, 92.8034, 83.8681

Complementary

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



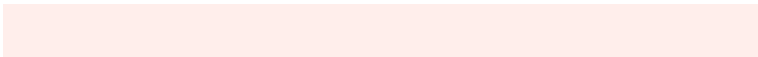
80.7044, 92.8034, 99.2472



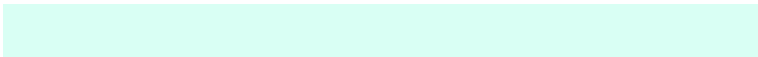
80.0570, 76.4882, 83.9432

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.



95.4009, 92.8034, 91.8465



80.7044, 92.8034, 99.2472



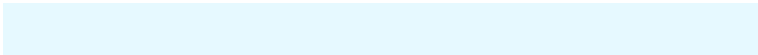
94.7363, 92.8034, 114.2120

Square

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



80.7044, 92.8034, 99.2472



87.5761, 92.8034, 124.8275



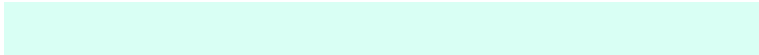
96.1604, 92.8034, 102.8687



88.8406, 92.8034, 80.4967

Rectangle

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



80.7044, 92.8034, 99.2472



82.8679, 92.8034, 117.6691



96.1604, 92.8034, 102.8687



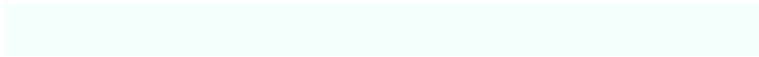
93.7703, 92.8034, 86.0692

Sweetspot

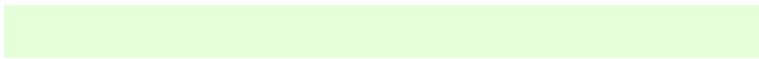
The Sweet Spot groups the original color and five complimentary colors.



80.7053, 92.8038, 99.2487



90.9247, 97.9278, 106.2448



80.4071, 93.0896, 79.3772



19.3005, 20.8797, 22.6350



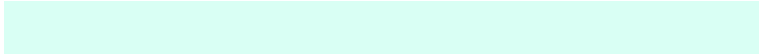
0.0000, 0.0000, 0.0000



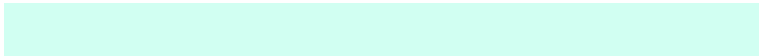
20.3446, 21.4041, 23.3091

Same Dimension

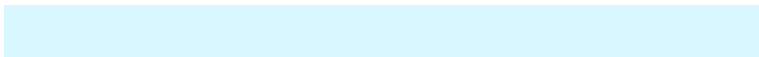
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7053, 92.8038, 99.2487



78.0670, 91.4836, 97.3234



80.0492, 88.7387, 107.5170



18.3176, 20.3866, 21.9753



23.1218, 39.1453, 29.5903



2.2987, 3.8304, 3.1310

Inverse Universe

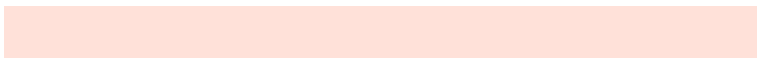
The Inverse Universe completely reimagines the original color for something new.



80.0570, 76.4882, 83.9432



77.3016, 72.2046, 79.2410



80.5823, 79.9051, 76.8231



18.2256, 18.0735, 19.8050



22.2469, 11.3881, 4.6849



2.2110, 1.1268, 0.6928

Previews

White Background



This preview shows how the XYZ color 80.7044, 92.8034, 99.2472 looks on a white background.

Color Contrast Check

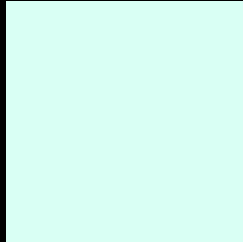
Large Text (above 18pt) WCAG AA × Fail

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 80.7044, 92.8034, 99.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

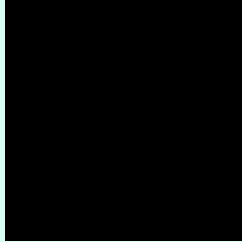
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

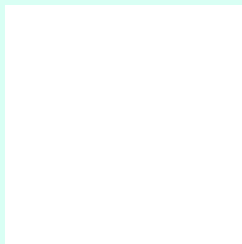
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7044, 92.8034, 99.2472

Background



This preview shows how black text looks on a background with the XYZ color 80.7044, 92.8034, 99.2472.



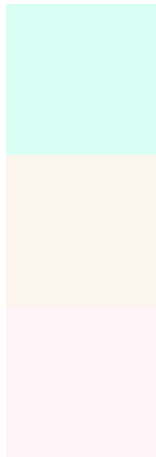
This preview shows how white text looks on a background with the XYZ color 80.7044, 92.8034,

99.2472.

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

80.7044, 92.8034, 99.2472

Protanopia

88.2299, 92.1733, 94.0299

Deuteranopia

90.3792, 92.6768, 101.1206



Tritanopia

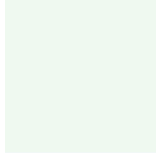
86.8773, 92.5319, 107.8893

Trichromacy



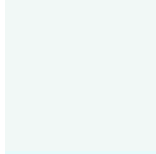
Original Color

80.7044, 92.8034, 99.2472



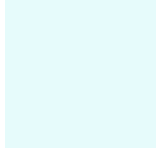
Protanomaly

85.2005, 92.3934, 95.7812



Deuteranomaly

86.4776, 92.4894, 100.4832



Tritanomaly

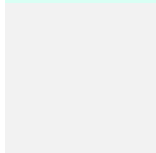
84.5429, 92.7824, 104.7197

Monochromacy



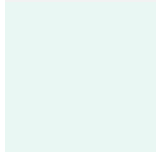
Original Color

80.7044, 92.8034, 99.2472



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

83.0427, 90.3162, 97.8500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7044, 92.8034, 99.2472 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(217, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 244)  
}
```

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(217, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 244) }
```

Border

The CSS property to change the border of an element to XYZ 80.7044, 92.8034, 99.2472 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(217, 255, 244) }
```


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

```
.border{ border-color:rgb(217, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7044, 92.8034, 99.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 244) }
```

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

```
.background{ background-color: rgb(217,  
255, 244) }
```

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](#).

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