

Converting Colors

XYZ(84.4390, 100.0000,
102.2362)

Have a look what the booklet for
XYZ(84.4390, 100.0000, 102.2362)
contains.

XYZ(80.7135, 92.7728, 100.8417)	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(80.7135, 92.7728,
100.8417)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFF6
RGB	216, 255, 246
RGB Percent	85%, 100%, 96%
CMY	0.1529, 0.0000, 0.0353
CMYK	0.15, 0.00, 0.04, 0.00
HSL	166°, 100%, 92%
HSV	166°, 15%, 100%
XYZ	80.7135, 92.7728, 100.8417
YIQ	242.3130, -20.3550, -11.0670

Conversions

Conversions Part 2

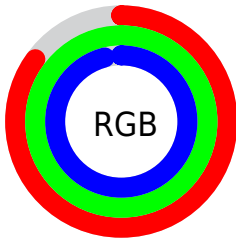
Format	Color
R_{YB}	216, 238, 255
Decimal	14221302
CIE _{Lab}	97.14, -14.17, 0.11
CIE _{LCh}	97, 14.168, 179.552
Yxy	92.7728, 0.2942, 0.3382
Android (android.graphics.Color)	4292411382 (0xFFD8FFF6)
YUV	242.3130, 1.8177, -23.0765
Hunter-Lab	96.3186, -18.9774, 5.3488

Details

The XYZ color **80.7135, 92.7728, 100.8417** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.3871, 75.8092, 81.6829**, and the grayscale version is **84.6433, 89.0513, 96.9769**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1863, 51.6829, 56.3621** is the 20% darker color. If you saturate the color by 10%, you get **72.8666, 88.8302, 95.8356**, and if you desaturate by 10%, it is **89.7599, 97.3303, 106.0562**.

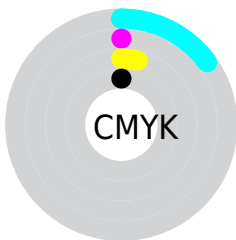
Distribution



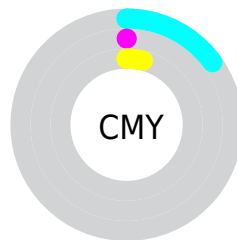
- Red (85%)
- Green (100%)
- Blue (96%)



- Red (85%)
- Yellow (93%)
- 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 80.7135, 92.7728, 100.8417 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 80.7135, 92.7728, 100.8417 by changing the saturation by 10% instead.


 80.7135, 92.7728,
100.8417

 80.7135, 92.7728,
100.8417

486.0341,
537.0100, 584.1576

 60.6162, 70.2827,
76.3829


133.3137,
151.1840, 164.3753

 44.1668, 51.7570,
56.2380


166.5472,
187.8739, 204.2872

 31.0002, 36.8114,
39.9885

204.8902,
230.0658, 250.1872

 20.7508, 25.0615,
27.2158

248.7080,
278.1442, 302.4939

 13.0534, 16.1229,
17.5015

298.3659,
332.4934, 361.6257

 7.5426, 9.6112,
10.4270

354.2293,

 3.8530, 5.1419,

393.4979, 428.0012

5.5737

416.6636,
461.5419, 502.0390

■ 1.6193, 2.3308,
2.5231

■ 0.4049, 0.7899,
0.8523

■ 80.7135, 92.7728,
100.8417

■ 80.7135, 92.7728,
100.8417

■ 72.8666, 88.8302,
95.8356

■ 89.7599, 97.3303,
106.0562

■ 66.1625, 85.4736,
91.0295

95.0500, 100.0000,
108.9000

■ 60.5439, 82.6732,
86.4208

■ 55.9472, 80.3966,
82.0052

■ 52.3024, 78.6074,
77.7779

■ 49.5303, 77.2649,
73.7337

■ 47.5383, 76.3216,
69.8670

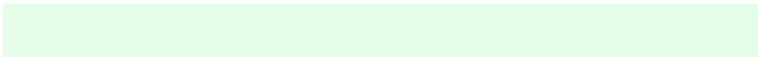
■ 46.2126, 75.7185,
66.1709

■ 45.7423, 75.5129,
64.4862

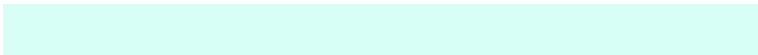
Harmonies

Analogous

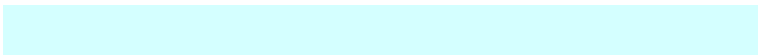
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7167, 92.7728, 90.2650



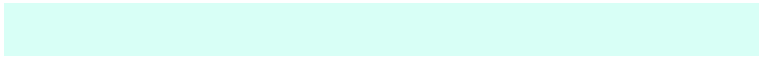
80.7135, 92.7728, 100.8417



81.6595, 92.7728, 112.2634

Triad

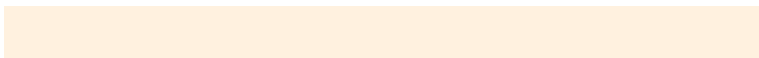
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7135, 92.7728, 100.8417



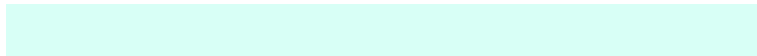
92.0230, 92.7728, 121.3968



92.1302, 92.7728, 83.2018

Complementary

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



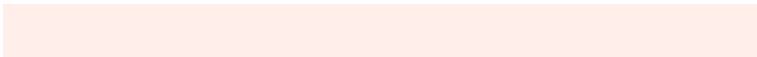
80.7135, 92.7728, 100.8417



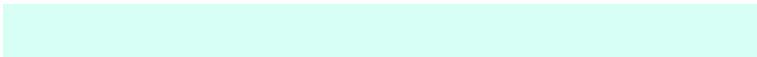
79.3871, 75.8092, 81.6829

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.



95.0340, 92.7728, 90.5420



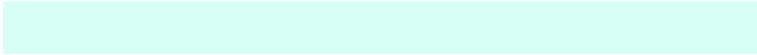
80.7135, 92.7728, 100.8417



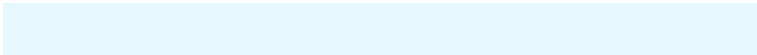
94.9708, 92.7728, 112.5837

Square

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



80.7135, 92.7728, 100.8417



88.1176, 92.7728, 124.6615



96.0886, 92.7728, 101.1861



88.2379, 92.7728, 80.5634

Rectangle

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



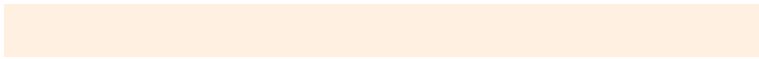
80.7135, 92.7728, 100.8417



83.2850, 92.7728, 118.7069



96.0886, 92.7728, 101.1861



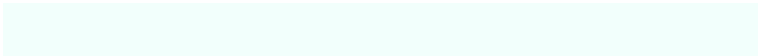
93.2585, 92.7728, 85.1724

Sweetspot

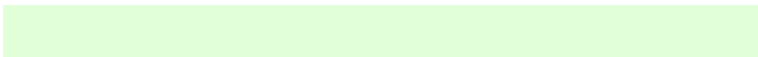
The Sweet Spot groups the original color and five complimentary colors.



80.7144, 92.7732, 100.8432



90.0437, 97.4735, 106.2122



79.2380, 92.5019, 78.6456



19.1279, 20.7901, 22.6538



0.0000, 0.0000, 0.0000



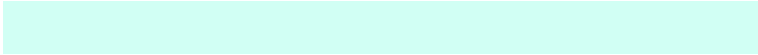
20.3446, 21.4041, 23.3091

Same Dimension

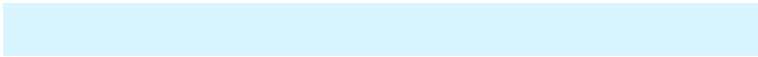
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7144, 92.7732, 100.8432



78.4742, 91.6464, 99.4676



78.9013, 86.8827, 107.2192



18.3650, 20.4055, 22.2251



23.9614, 39.4812, 34.0117



2.3746, 3.8608, 3.5303

Inverse Universe

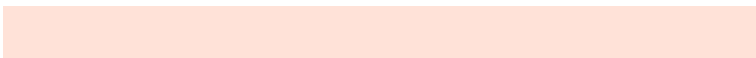
The Inverse Universe completely reimagines the original color for something new.



79.3871, 75.8092, 81.6829



76.9423, 72.0609, 77.3494



80.9407, 80.8294, 76.3029



18.1810, 18.0557, 19.5706



22.0058, 11.2916, 3.4152



2.1823, 1.1153, 0.5414

Previews

White Background



This preview shows how the XYZ color 80.7135, 92.7728, 100.8417 looks on a white background.

Color Contrast Check

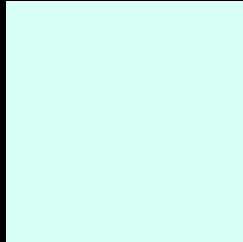
Large Text (above 18pt) WCAG AA × Fail

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 80.7135, 92.7728, 100.8417 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

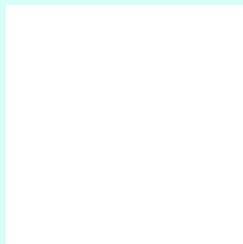
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7135, 92.7728, 100.8417

Background



This preview shows how black text looks on a background with the XYZ color 80.7135, 92.7728, 100.8417.



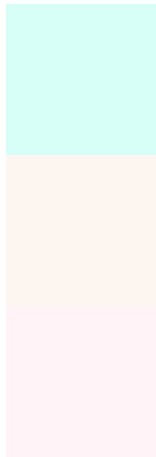
This preview shows how white text looks on a background with the XYZ color 80.7135, 92.7728,

100.8417.

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

80.7135, 92.7728, 100.8417

Protanopia

88.5255, 92.2915, 95.5863

Deuteranopia

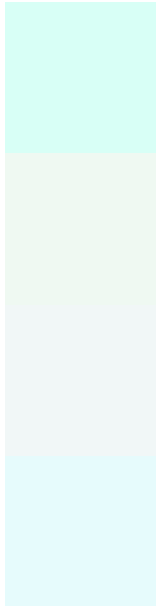
90.0791, 92.0766, 101.0206



Tritanopia

86.8773, 92.5319, 107.8893

Trichromacy



Original Color

80.7135, 92.7728, 100.8417

Protanomaly

85.4993, 92.5129, 97.3549

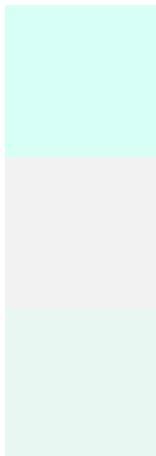
Deuteranomaly

86.3249, 91.9377, 101.1916

Tritanomaly

84.7010, 92.8456, 105.5522

Monochromacy



Original Color

80.7135, 92.7728, 100.8417

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 80.7135, 92.7728, 100.8417 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(216, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 246)  
}
```

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(216, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 246) }
```

Border

The CSS property to change the border of an element to XYZ 80.7135, 92.7728, 100.8417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

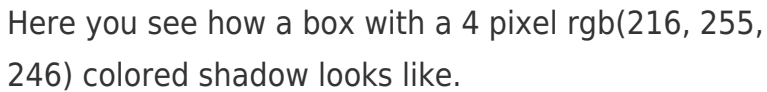
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 255, 246) }
```


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

```
.border{ border-color:rgb(216, 255, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 255, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 255, 246); box-shadow:4px 4px 4px 4px rgb(216, 255, 246) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7135, 92.7728, 100.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 246) }
```

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

```
.background{ background-color: rgb(216,  
255, 246) }
```

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