

Converting Colors

XYZ(80.2326, 92.5805, 98.3072)

Have a look what the booklet for
XYZ(80.2326, 92.5805, 98.3072)
contains.

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Color

**XYZ(80.2566, 92.5900,
98.4357)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFF3
RGB	216, 255, 243
RGB Percent	85%, 100%, 95%
CMY	0.1529, 0.0000, 0.0471
CMYK	0.15, 0.00, 0.05, 0.00
HSL	162°, 100%, 92%
HSV	162°, 15%, 100%
XYZ	80.2566, 92.5900, 98.4357
YIQ	241.9710, -19.3920, -12.0000

Conversions

Conversions Part 2

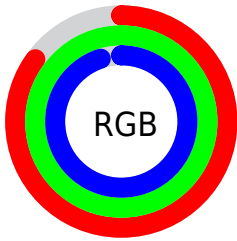
Format	Color
R _Y B	216, 239, 255
Decimal	14221299
CIE Lab	97.06, -14.74, 1.55
CIE LCh	97, 14.823, 174.015
Yxy	92.5900, 0.2958, 0.3413
Android (android.graphics.Color)	4292411379 (0xFFD8FFF3)
YUV	241.9710, 0.5073, -22.7766
Hunter-Lab	96.2237, -19.5113, 6.7036

Details

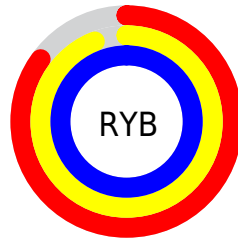
The XYZ color **80.2566, 92.5900, 98.4357** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.8001, 75.9744, 83.8577**, and the grayscale version is **84.3820, 88.7764, 96.6775**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8617, 51.5531, 54.6527** is the 20% darker color. If you saturate the color by 10%, you get **72.1389, 88.5391, 92.0034**, and if you desaturate by 10%, it is **89.5958, 97.2647, 105.1923**.

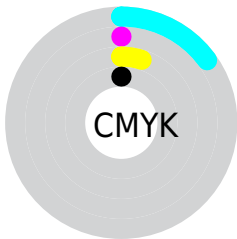
Distribution



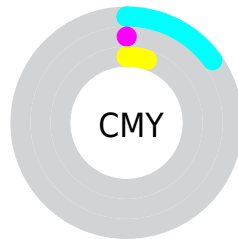
- Red (85%)
- Green (100%)
- Blue (95%)



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



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2566, 92.5900, 98.4357 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 80.2566, 92.5900, 98.4357 by changing the saturation by 10% instead.


 80.2566, 92.5900,
98.4357

 80.2566, 92.5900,
98.4357


484.5205,
536.4205, 576.3694

 60.2387, 70.1308,
74.3852

132.6751,
150.9309, 161.0389

 43.8613, 51.6332,
54.6107


165.8064,
187.5813, 200.4286

 30.7589, 36.7128,
38.6936


204.0395,
229.7309, 245.7686

 20.5663, 24.9852,
26.2155

247.7399,
277.7641, 297.4772

 12.9180, 16.0660,
16.7577

297.2728,
332.0652, 355.9730

 7.4487, 9.5709,
9.9017

353.0037,

 3.7931, 5.1154,

393.0187, 421.6747

5.2291

415.2978,
461.0090, 495.0006

■ 1.5857, 2.3151,
2.3212

■ 0.3831, 0.7817,
0.7431

■ 80.2566, 92.5900,
98.4357

■ 80.2566, 92.5900,
98.4357

■ 72.1389, 88.5391,
92.0034

■ 89.5958, 97.2647,
105.1923

■ 65.1856, 85.0828,
85.8853

95.0500, 100.0000,
108.9000

■ 59.3391, 82.1913,
80.0767

■ 54.5355, 79.8319,
74.5712

■ 50.7043, 77.9681,
69.3622

■ 47.7658, 76.5591,
64.4423

■ 45.6273, 75.5571,
59.8036

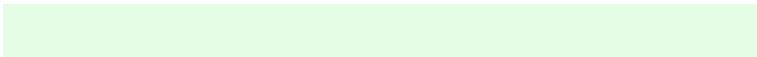
■ 44.1742, 74.9032,
55.4371

■ 43.6506, 74.6762,
53.4714

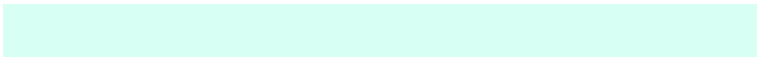
Harmonies

Analogous

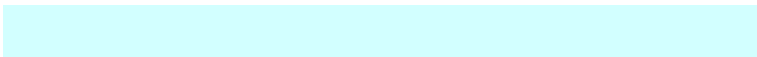
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6647, 92.5900, 87.8963



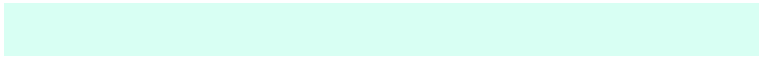
80.2566, 92.5900, 98.4357



80.8707, 92.5900, 110.4671

Triad

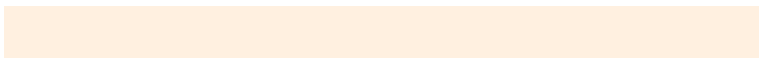
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2566, 92.5900, 98.4357



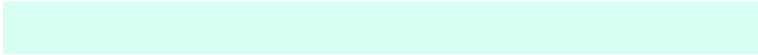
91.3128, 92.5900, 123.3153



92.8073, 92.5900, 83.3268

Complementary

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



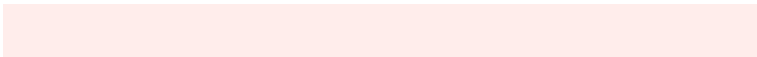
80.2566, 92.5900, 98.4357



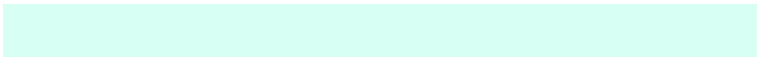
79.8001, 75.9744, 83.8577

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.



95.5449, 92.5900, 91.7417



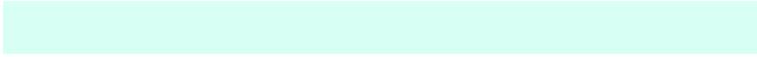
80.2566, 92.5900, 98.4357



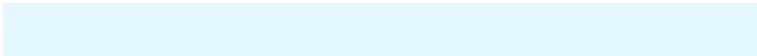
94.6632, 92.5900, 114.9408

Square

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



80.2566, 92.5900, 98.4357



87.1693, 92.5900, 125.4612



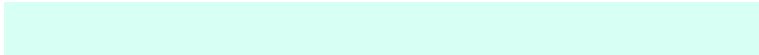
96.2346, 92.5900, 103.2319



88.8440, 92.5900, 79.6280

Rectangle

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



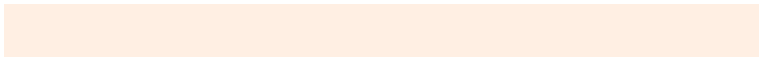
80.2566, 92.5900, 98.4357



82.3543, 92.5900, 117.6543



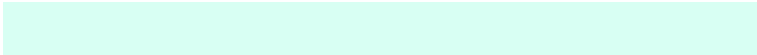
96.2346, 92.5900, 103.2319



93.9064, 92.5900, 85.6640

Sweetspot

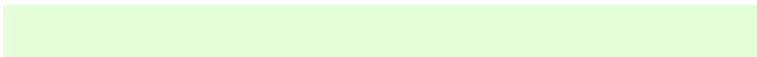
The Sweet Spot groups the original color and five complimentary colors.



80.2575, 92.5904, 98.4372



89.8886, 97.4114, 105.3953



80.2615, 93.0295, 78.6935



19.0901, 20.7750, 22.4549



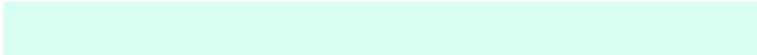
0.0000, 0.0000, 0.0000



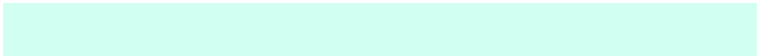
20.3446, 21.4041, 23.3091

Same Dimension

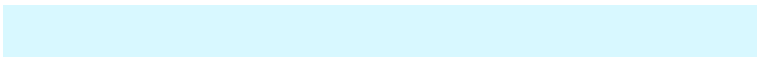
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2575, 92.5904, 98.4372



77.9418, 91.4335, 96.6642



79.8910, 88.8621, 107.5491



18.3029, 20.3807, 21.8981



22.8783, 39.0479, 28.3082



2.2765, 3.8215, 3.0140

Inverse Universe

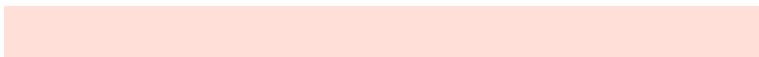
The Inverse Universe completely reimagines the original color for something new.



79.8001, 75.9744, 83.8577



77.4142, 72.2497, 79.8343



80.0632, 79.0745, 76.0104



18.2395, 18.0791, 19.8782



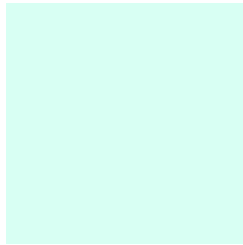
22.3341, 11.4229, 5.1437



2.2210, 1.1308, 0.7451

Previews

White Background



This preview shows how the XYZ color 80.2566, 92.5900, 98.4357 looks on a white background.

Color Contrast Check

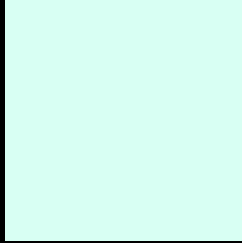
Large Text (above 18pt) WCAG AA × Fail

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 80.2566, 92.5900, 98.4357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

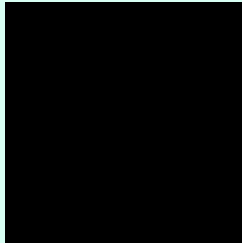
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

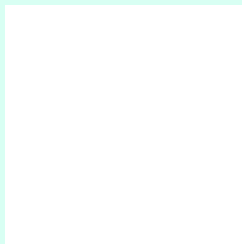
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2566, 92.5900, 98.4357

Background



This preview shows how black text looks on a background with the XYZ color 80.2566, 92.5900, 98.4357.



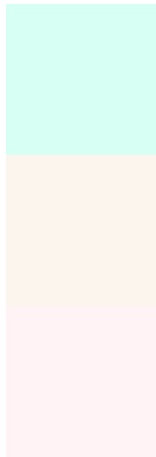
This preview shows how white text looks on a background with the XYZ color 80.2566, 92.5900,

98.4357.

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

80.2566, 92.5900, 98.4357

Protanopia

88.0834, 92.1147, 93.2582

Deuteranopia

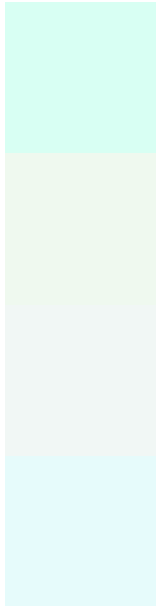
89.9251, 92.0150, 100.2099



Tritanopia

86.8773, 92.5319, 107.8893

Trichromacy



Original Color

80.2566, 92.5900, 98.4357

Protanomaly

85.0523, 92.3341, 95.0009

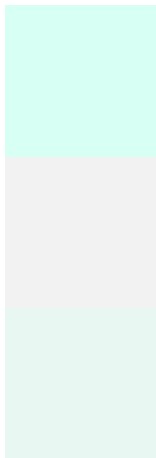
Deuteranomaly

86.0178, 91.8149, 99.5746

Tritanomaly

84.5429, 92.7824, 104.7197

Monochromacy



Original Color

80.2566, 92.5900, 98.4357

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

82.8920, 90.2560, 97.0567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2566, 92.5900, 98.4357 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 80.2566, 92.5900, 98.4357 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, 243) }
```


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

```
.border{ border-color:rgb(216, 255, 243) }
```

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, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2566, 92.5900, 98.4357 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, 243) }
```

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

```
.background{ background-color: rgb(216,  
255, 243) }
```

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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