

Converting Colors

XYZ(80.1300, 92.5650, 96.6102)

Have a look what the booklet for
XYZ(80.1300, 92.5650, 96.6102)
contains.

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Color

**XYZ(80.2525, 92.6226,
96.8673)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFF1
RGB	217, 255, 241
RGB Percent	85%, 100%, 95%
CMY	0.1490, 0.0000, 0.0549
CMYK	0.15, 0.00, 0.05, 0.00
HSL	158°, 100%, 93%
HSV	158°, 15%, 100%
XYZ	80.2525, 92.6226, 96.8673
YIQ	242.0420, -18.1540, -12.4100

Conversions

Conversions Part 2

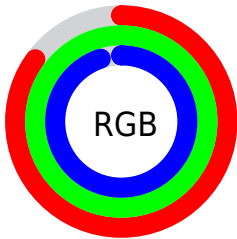
Format	Color
R_{YB}	217, 240, 255
Decimal	14286833
CIE _{Lab}	97.07, -14.81, 2.60
CIE _{LCh}	97, 15.034, 170.037
Yxy	92.6226, 0.2975, 0.3434
Android (android.graphics.Color)	4292476913 (0xFFD9FFF1)
YUV	242.0420, -0.5137, -21.9618
Hunter-Lab	96.2406, -19.5747, 7.6924

Details

The XYZ color **80.2525, 92.6226, 96.8673** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.4773, 76.6564, 86.1561**, and the grayscale version is **84.4453, 88.8430, 96.7500**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8513, 51.5723, 53.5422** is the 20% darker color. If you saturate the color by 10%, you get **71.8822, 88.4655, 89.3392**, and if you desaturate by 10%, it is **89.8680, 97.4132, 104.8344**.

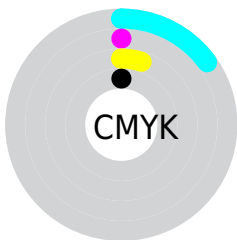
Distribution



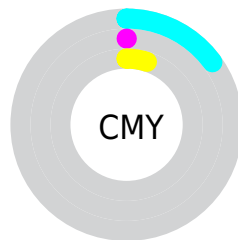
- Red (85%)
- Green (100%)
- Blue (95%)



- 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 80.2525, 92.6226, 96.8673 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 80.2525, 92.6226, 96.8673 by changing the saturation by 10% instead.


 80.2525, 92.6226,
96.8673

 80.2525, 92.6226,
96.8673

484.5070,
536.5256, 571.2622

 60.2353, 70.1579,
73.0847


132.6693,
150.9760, 158.8595

 43.8585, 51.6552,
53.5529


165.7997,
187.6335, 197.9062

 30.7567, 36.7303,
37.8536


204.0319,
229.7906, 242.8780

 20.5646, 24.9988,
25.5682

247.7312,
277.8319, 294.1934

 12.9168, 16.0761,
16.2780

297.2630,
332.1416, 352.2710

 7.4479, 9.5781,
9.5646

352.9927,

 3.7925, 5.1201,

393.1042, 417.5293

5.0094

415.2855,
461.1041, 490.3868

■ 1.5854, 2.3179,
2.1940

■ 0.3829, 0.7832,
0.6709

■ 80.2525, 92.6226,
96.8673

■ 80.2525, 92.6226,
96.8673

■ 71.8822, 88.4655,
89.3392

■ 89.8680, 97.4132,
104.8344

■ 64.6998, 84.9126,
82.2373

95.0500, 100.0000,
108.9000

■ 58.6474, 81.9341,
75.5548

■ 53.6608, 79.4971,
69.2826

■ 49.6694, 77.5652,
63.4114

■ 46.5932, 76.0976,
57.9313

■ 44.3398, 75.0464,
52.8315

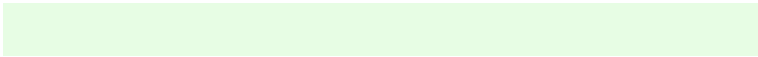
■ 42.7952, 74.3532,
48.1002

■ 42.1983, 74.0953,
45.8236

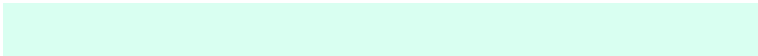
Harmonies

Analogous

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



81.9374, 92.6226, 86.5947



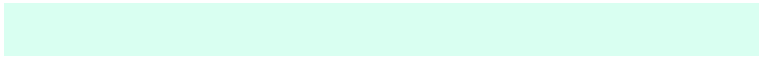
80.2525, 92.6226, 96.8673



80.6011, 92.6226, 109.0574

Triad

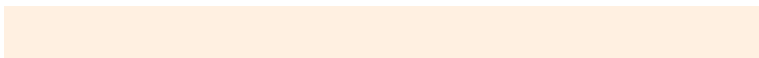
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2525, 92.6226, 96.8673



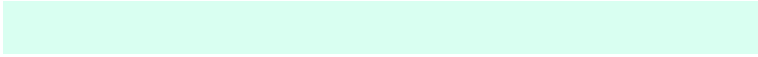
90.8559, 92.6226, 124.3958



93.3719, 92.6226, 84.0038

Complementary

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



80.2525, 92.6226, 96.8673



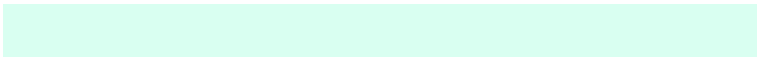
80.4773, 76.6564, 86.1561

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.



95.9125, 92.6226, 93.0656



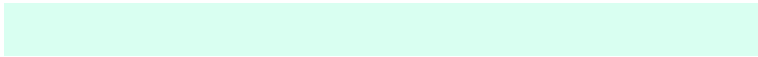
80.2525, 92.6226, 96.8673



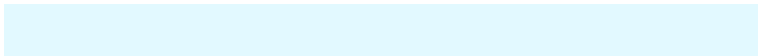
94.4279, 92.6226, 116.5903

Square

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



80.2525, 92.6226, 96.8673



86.6331, 92.6226, 125.6194



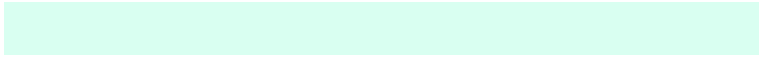
96.3050, 92.6226, 104.9409



89.4520, 92.6226, 79.5719

Rectangle

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



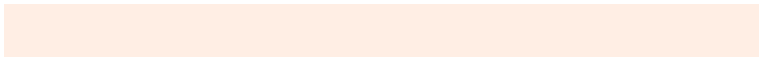
80.2525, 92.6226, 96.8673



81.9438, 92.6226, 116.6158



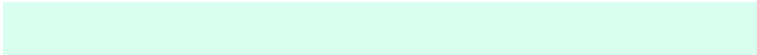
96.3050, 92.6226, 104.9409



94.4208, 92.6226, 86.5738

Sweetspot

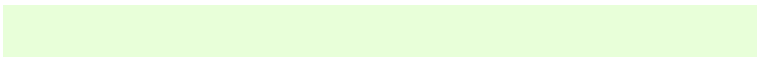
The Sweet Spot groups the original color and five complimentary colors.



80.2534, 92.6230, 96.8688



90.7973, 97.8769, 105.5738



81.4233, 93.6135, 79.4249



19.2682, 20.8668, 22.4650



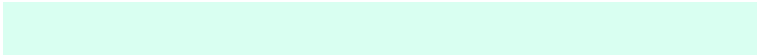
0.0000, 0.0000, 0.0000



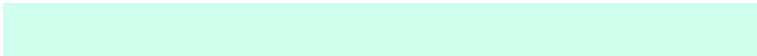
20.3446, 21.4041, 23.3091

Same Dimension

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



80.2534, 92.6230, 96.8688



77.5288, 91.2683, 94.4892



81.0280, 90.6961, 107.8432



18.2543, 20.3613, 21.6423



22.1240, 38.7462, 24.3360



2.2069, 3.7937, 2.6471

Inverse Universe

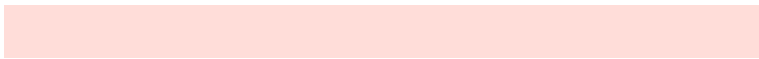
The Inverse Universe completely reimagines the original color for something new.



80.4773, 76.6564, 86.1561



77.7937, 72.4015, 81.8329



79.7362, 78.2129, 76.5412



18.2860, 18.0977, 20.1233



22.6687, 11.5568, 6.9059



2.2577, 1.1455, 0.9384

Previews

White Background



This preview shows how the XYZ color 80.2525, 92.6226, 96.8673 looks on a white background.

Color Contrast Check

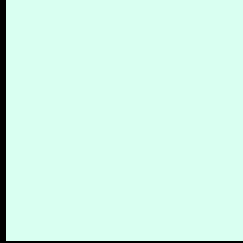
Large Text (above 18pt) WCAG AA × Fail

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 80.2525, 92.6226, 96.8673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

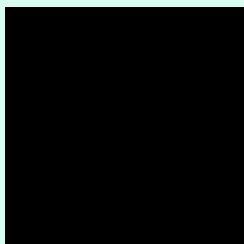
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

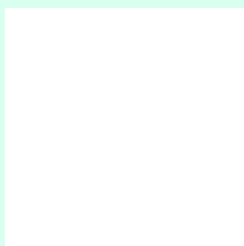
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2525, 92.6226, 96.8673

Background



This preview shows how black text looks on a background with the XYZ color 80.2525, 92.6226, 96.8673.



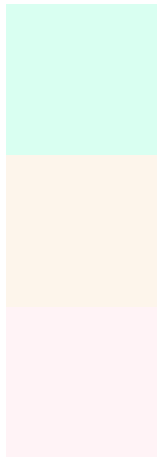
This preview shows how white text looks on a background with the XYZ color 80.2525, 92.6226,

96.8673.

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

80.2525, 92.6226, 96.8673

Protanopia

88.1558, 92.1856, 91.7446

Deuteranopia

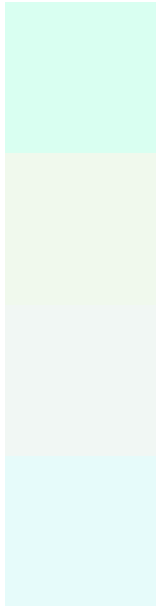
89.9251, 92.0150, 100.2099



Tritanopia

86.8773, 92.5319, 107.8893

Trichromacy



Original Color

80.2525, 92.6226, 96.8673

Protanomaly

85.0969, 92.3911, 93.4689

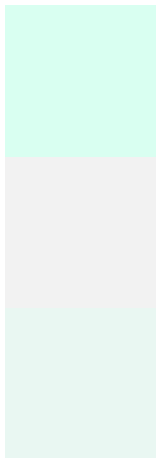
Deuteranomaly

85.8655, 91.7540, 98.7726

Tritanomaly

84.3856, 92.7195, 103.8915

Monochromacy



Original Color

80.2525, 92.6226, 96.8673

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 80.2525, 92.6226, 96.8673 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 80.2525, 92.6226, 96.8673 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, 241) }
```


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

```
.border{ border-color:rgb(217, 255, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2525, 92.6226, 96.8673 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, 241) }
```

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

```
.background{ background-color: rgb(217,  
255, 241) }
```

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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