

Converting Colors

XYZ(80.7485, 92.9026,
105.9404)

Have a look what the booklet for
XYZ(80.7485, 92.9026, 105.9404)
contains.

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Color

**XYZ(80.4821, 92.5453,
105.7166)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FFFC
RGB	212, 255, 252
RGB Percent	83%, 100%, 99%
CMY	0.1686, 0.0000, 0.0118
CMYK	0.17, 0.00, 0.01, 0.00
HSL	176°, 100%, 92%
HSV	176°, 17%, 100%
XYZ	80.4821, 92.5453, 105.7166
YIQ	241.8010, -24.6650, -10.0490

Conversions

Conversions Part 2

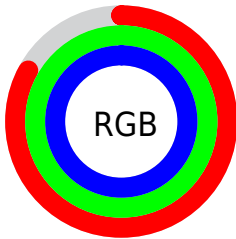
Format	Color
R _Y B	212, 234, 255
Decimal	13959164
CIE Lab	97.04, -14.22, -3.14
CIE LCh	97, 14.564, 192.454
Yxy	92.5453, 0.2887, 0.3320
Android (android.graphics.Color)	4292149244 (0xFFD4FFFC)
YUV	241.8010, 5.0281, -26.1355
Hunter-Lab	96.2005, -19.0163, 2.1854

Details

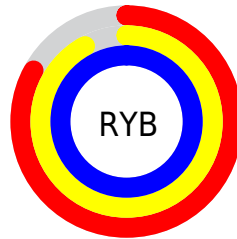
The XYZ color **80.4821, 92.5453, 105.7166** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.0500, 73.2547, 74.3692**, and the grayscale version is **84.2160, 88.6018, 96.4874**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9490, 51.4964, 59.2532** is the 20% darker color. If you saturate the color by 10%, you get **73.4225, 88.9383, 103.9235**, and if you desaturate by 10%, it is **88.7073, 96.7528, 107.5810**.

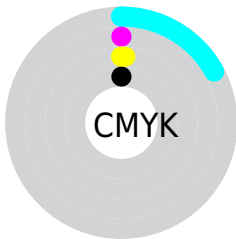
Distribution



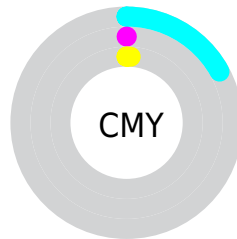
- Red (83%)
- Green (100%)
- Blue (99%)



- Red (83%)
- Yellow (92%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4821, 92.5453, 105.7166 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 80.4821, 92.5453, 105.7166 by changing the saturation by 10% instead.


 80.4821, 92.5453,
105.7166

 80.4821, 92.5453,
105.7166


485.2679,
536.2763, 599.7718

 60.4250, 70.0936,
80.4398


132.9903,
150.8689, 171.1113

 44.0120, 51.6029,
59.5521


166.1721,
187.5097, 212.0663

 30.8779, 36.6886,
42.6348


204.4595,
229.6489, 259.0845

 20.6573, 24.9665,
29.2694

248.2178,
277.6711, 312.5844

 12.9847, 16.0521,
19.0374

297.8125,
331.9605, 372.9845

 7.4950, 9.5610,
11.5202

353.6088,

 3.8226, 5.1089,

392.9016, 440.7034

6.2993

415.9722,
460.8787, 516.1597

■ 1.6023, 2.3113,
2.9562

■ 0.3939, 0.7797,
1.0723

■ 80.4821, 92.5453,
105.7166

■ 80.4821, 92.5453,
105.7166

■ 73.4225, 88.9383,
103.9235

■ 88.7073, 96.7528,
107.5810

■ 67.4710, 85.9023,
102.1944

95.0500, 100.0000,
108.9000

■ 62.5699, 83.4076,
100.5282

■ 58.6552, 81.4210,
98.9219

■ 55.6558, 79.9059,
97.3719

■ 53.4908, 78.8207,
95.8747

■ 52.0655, 78.1165,
94.4255

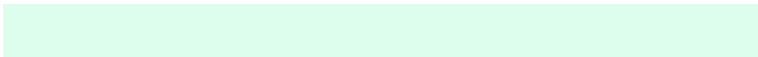
■ 51.2600, 77.7316,
93.0189

■ 51.0780, 77.6472,
92.5836

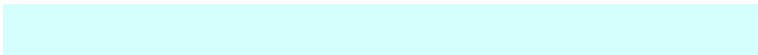
Harmonies

Analogous

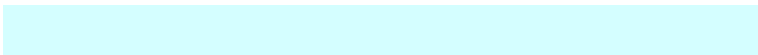
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6532, 92.5453, 94.1082



80.4821, 92.5453, 105.7166



82.2693, 92.5453, 116.7961

Triad

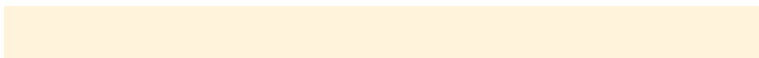
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4821, 92.5453, 105.7166



93.3938, 92.5453, 118.3690



90.3609, 92.5453, 80.7256

Complementary

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



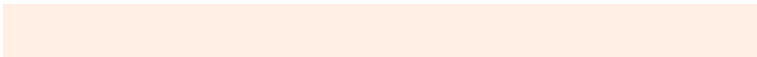
80.4821, 92.5453, 105.7166



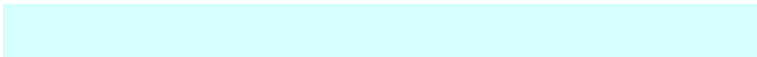
77.0500, 73.2547, 74.3692

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.



93.9105, 92.5453, 86.2743



80.4821, 92.5453, 105.7166



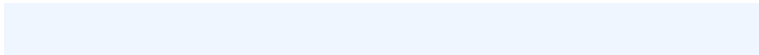
95.6986, 92.5453, 107.7308

Square

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



80.4821, 92.5453, 105.7166



89.6735, 92.5453, 124.4729



95.8906, 92.5453, 95.9726



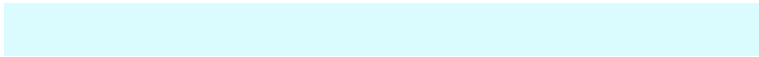
86.2715, 92.5453, 80.2784

Rectangle

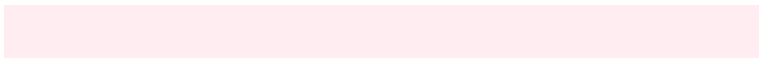
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4821, 92.5453, 105.7166



84.3640, 92.5453, 122.1513



95.8906, 92.5453, 95.9726



91.6599, 92.5453, 82.0350

Sweetspot

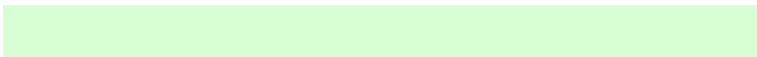
The Sweet Spot groups the original color and five complimentary colors.



80.4831, 92.5458, 105.7181



90.3710, 97.6044, 107.9356



75.8407, 90.8095, 75.8199



19.2076, 20.8220, 23.0739



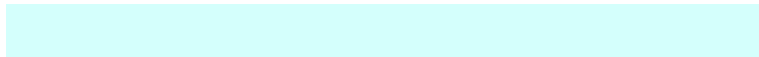
0.0000, 0.0000, 0.0000



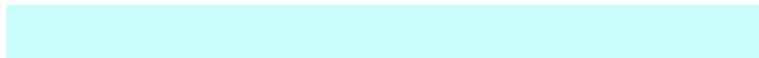
20.3446, 21.4041, 23.3091

Same Dimension

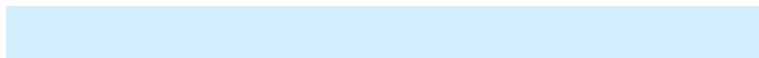
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4831, 92.5458, 105.7181



78.1445, 91.3504, 105.1477



75.5108, 81.8347, 106.4236



18.4970, 20.4583, 22.9199



26.7126, 40.5816, 48.4993



2.6167, 3.9576, 4.8052

Inverse Universe

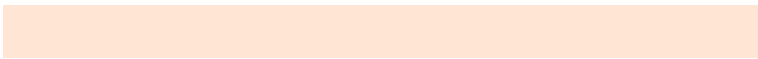
The Inverse Universe completely reimagines the original color for something new.



77.0500, 73.2547, 74.3692



74.1635, 68.9780, 68.7939



81.3981, 82.5617, 73.9350



18.0607, 18.0076, 18.9370



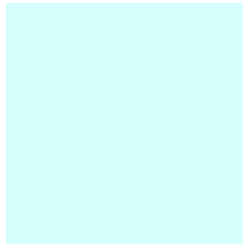
21.6236, 11.1387, 1.4025



2.1225, 1.0914, 0.2264

Previews

White Background



This preview shows how the XYZ color 80.4821, 92.5453, 105.7166 looks on a white background.

Color Contrast Check

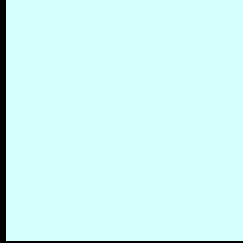
Large Text (above 18pt) WCAG AA × Fail

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 80.4821, 92.5453, 105.7166 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

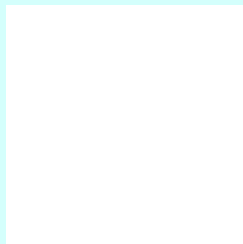
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4821, 92.5453, 105.7166

Background



This preview shows how black text looks on a background with the XYZ color 80.4821, 92.5453, 105.7166.

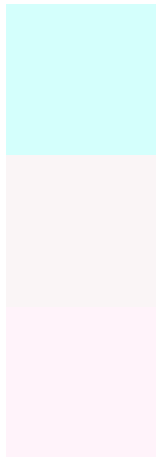


This preview shows how white text looks on a background with the XYZ color 80.4821, 92.5453,

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

80.4821, 92.5453, 105.7166

Protanopia

88.7113, 92.2826, 100.3255

Deuteranopia

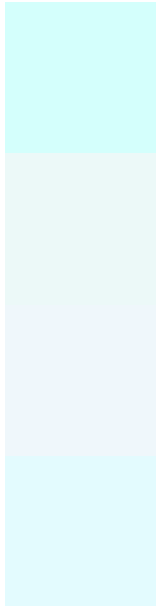
90.5459, 92.2633, 103.4788



Tritanopia

86.2095, 92.1877, 107.8580

Trichromacy



Original Color

80.4821, 92.5453, 105.7166

Protanomaly

85.4110, 92.3615, 102.1329

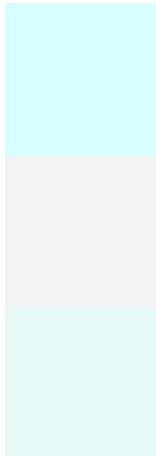
Deuteranomaly

86.2700, 91.8373, 104.4462

Tritanomaly

84.0651, 92.4810, 107.1858

Monochromacy



Original Color

80.4821, 92.5453, 105.7166

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

82.8503, 90.1643, 100.2255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4821, 92.5453, 105.7166 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(212, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 252)  
}
```

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(212, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 252) }
```

Border

The CSS property to change the border of an element to XYZ 80.4821, 92.5453, 105.7166 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(212, 255, 252) }
```


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

```
.border{ border-color:rgb(212, 255, 252) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4821, 92.5453, 105.7166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 252) }
```

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

```
.background{ background-color: rgb(212,  
255, 252) }
```

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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