

Converting Colors

XYZ(80.4034, 92.5410, 95.9815)

Have a look what the booklet for
XYZ(80.4034, 92.5410, 95.9815)
contains.

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Color

**XYZ(80.4016, 92.7167,
96.0966)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFFF0
RGB	218, 255, 240
RGB Percent	85%, 100%, 94%
CMY	0.1451, 0.0000, 0.0588
CMYK	0.15, 0.00, 0.06, 0.00
HSL	156°, 100%, 93%
HSV	156°, 15%, 100%
XYZ	80.4016, 92.7167, 96.0966
YIQ	242.2270, -17.2370, -12.5090

Conversions

Conversions Part 2

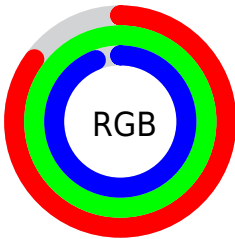
Format	Color
R_{YB}	218, 241, 255
Decimal	14352368
CIE _{Lab}	97.11, -14.68, 3.18
CIE _{LCh}	97, 15.020, 167.783
Yxy	92.7167, 0.2987, 0.3444
Android (android.graphics.Color)	4292542448 (0xFFDAFFF0)
YUV	242.2270, -1.0979, -21.2471
Hunter-Lab	96.2895, -19.4594, 8.2314

Details

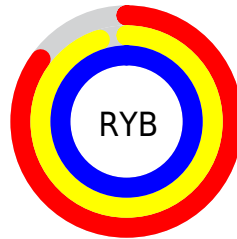
The XYZ color **80.4016, 92.7167, 96.0966** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.0199, 77.2870, 87.7385**, and the grayscale version is **84.5956, 89.0012, 96.9223**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9501, 51.6354, 52.9976** is the 20% darker color. If you saturate the color by 10%, you get **71.8614, 88.4865, 87.9085**, and if you desaturate by 10%, it is **90.2041, 97.5875, 104.8034**.

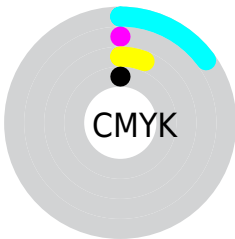
Distribution



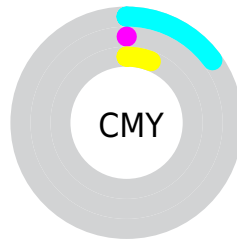
- Red (85%)
- Green (100%)
- Blue (94%)



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



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4016, 92.7167, 96.0966 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 80.4016, 92.7167, 96.0966 by changing the saturation by 10% instead.


 80.4016, 92.7167,
96.0966

 80.4016, 92.7167,
96.0966


485.0012,
536.8291, 568.7435

 60.3585, 70.2361,
72.4461


132.8778,
151.1063, 157.7873

 43.9582, 51.7190,
53.0341


166.0415,
187.7841, 196.6646

 30.8354, 36.7811,
37.4421


204.3096,
229.9631, 241.4546

 20.6248, 25.0381,
25.2515

248.0472,
278.0276, 292.5758

 12.9609, 16.1054,
16.0438

297.6199,
332.3620, 350.4467

 7.4784, 9.5988,
9.4005

353.3928,

 3.8120, 5.1338,

393.3508, 415.4859

4.9029

415.7315,
461.3784, 488.1120

■ 1.5964, 2.3260,
2.1327

■ 0.3900, 0.7874,
0.6351

■ 80.4016, 92.7167,
96.0966

■ 80.4016, 92.7167,
96.0966

■ 71.8614, 88.4865,
87.9085

■ 90.2041, 97.5875,
104.8034

■ 64.5261, 84.8674,
80.2245

95.0500, 100.0000,
108.9000

■ 58.3375, 81.8298,
73.0356

■ 53.2313, 79.3406,
66.3309

■ 49.1367, 77.3634,
60.0990

■ 45.9739, 75.8574,
54.3276

■ 43.6504, 74.7750,
49.0038

■ 42.0531, 74.0581,
44.1134

■ 41.3972, 73.7749,
41.6050

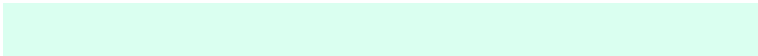
Harmonies

Analogous

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



82.2291, 92.7167, 86.0765



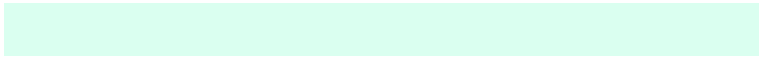
80.4016, 92.7167, 96.0966



80.5943, 92.7167, 108.2454

Triad

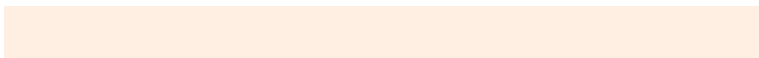
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.4016, 92.7167, 96.0966



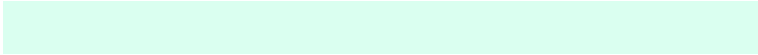
90.6353, 92.7167, 124.8324



93.7112, 92.7167, 84.6445

Complementary

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



80.4016, 92.7167, 96.0966



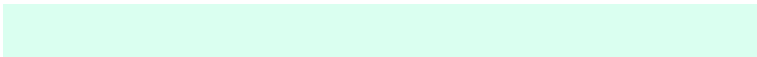
81.0199, 77.2870, 87.7385

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.



96.1096, 92.7167, 93.9952



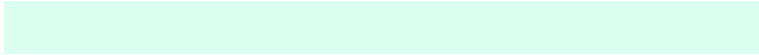
80.4016, 92.7167, 96.0966



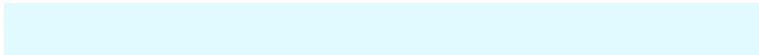
94.2950, 92.7167, 117.4512

Square

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



80.4016, 92.7167, 96.0966



86.4121, 92.7167, 125.5090



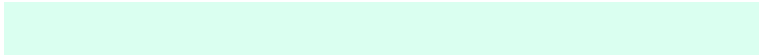
96.3266, 92.7167, 105.9698



89.8593, 92.7167, 79.8285

Rectangle

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



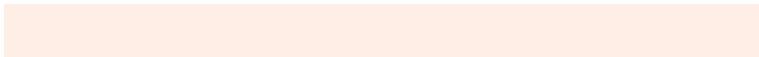
80.4016, 92.7167, 96.0966



81.8429, 92.7167, 115.9284



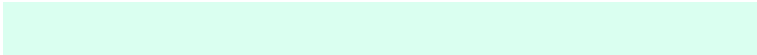
96.3266, 92.7167, 105.9698



94.7194, 92.7167, 87.3257

Sweetspot

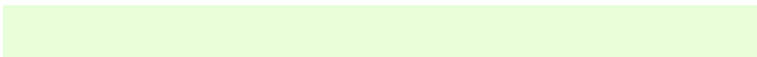
The Sweet Spot groups the original color and five complimentary colors.



80.4025, 92.7171, 96.0981



90.7378, 97.8531, 105.2605



82.1560, 93.9761, 80.1401



19.2531, 20.8607, 22.3856



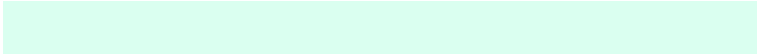
0.0000, 0.0000, 0.0000



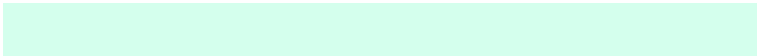
20.3446, 21.4041, 23.3091

Same Dimension

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



80.4025, 92.7171, 96.0981



78.1591, 91.6045, 94.0103



81.7483, 91.6943, 107.9979



18.2249, 20.3495, 21.4875



21.7068, 38.5793, 22.1393



2.1677, 3.7780, 2.4409

Inverse Universe

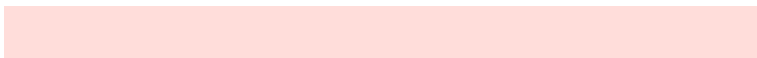
The Inverse Universe completely reimagines the original color for something new.



81.0199, 77.2870, 87.7385



78.8701, 73.8418, 84.3881



79.7740, 78.0799, 77.1973



18.3145, 18.1091, 20.2735



22.9071, 11.6521, 8.1611



2.2828, 1.1555, 1.0708

Previews

White Background



This preview shows how the XYZ color 80.4016, 92.7167, 96.0966 looks on a white background.

Color Contrast Check

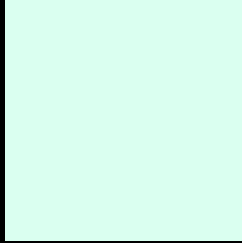
Large Text (above 18pt) WCAG AA × Fail

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 80.4016, 92.7167, 96.0966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

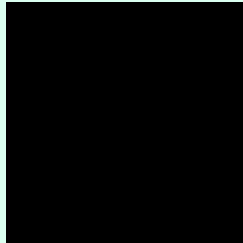
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

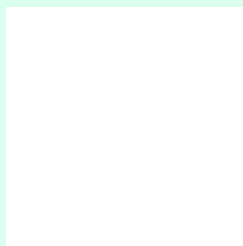
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4016, 92.7167, 96.0966

Background



This preview shows how black text looks on a background with the XYZ color 80.4016, 92.7167, 96.0966.



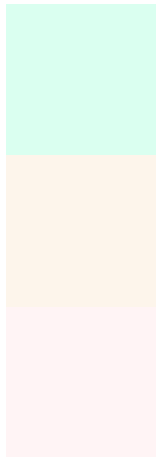
This preview shows how white text looks on a background with the XYZ color 80.4016, 92.7167,

96.0966.

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

80.4016, 92.7167, 96.0966

Protanopia

88.1558, 92.1856, 91.7446

Deuteranopia

90.0721, 92.5539, 99.5036



Tritanopia

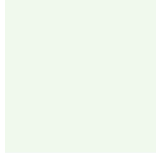
87.2140, 92.7055, 107.9050

Trichromacy



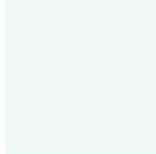
Original Color

80.4016, 92.7167, 96.0966



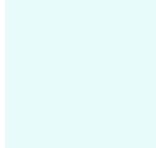
Protanomaly

85.0969, 92.3911, 93.4689



Deuteranomaly

86.3630, 92.4831, 98.0932



Tritanomaly

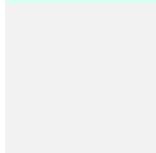
84.7075, 92.8854, 103.9066

Monochromacy



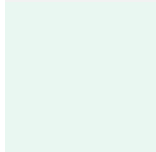
Original Color

80.4016, 92.7167, 96.0966



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.7422, 90.1960, 96.2677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4016, 92.7167, 96.0966 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(218, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 240)  
}
```

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(218, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 80.4016, 92.7167, 96.0966 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(218, 255, 240) }
```


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

```
.border{ border-color:rgb(218, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4016, 92.7167, 96.0966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 240) }
```

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

```
.background{ background-color: rgb(218,  
255, 240) }
```

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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