

Converting Colors

XYZ(66.0187, 76.5634, 80.1189)

Have a look what the booklet for
XYZ(66.0187, 76.5634, 80.1189)
contains.

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Color

**XYZ(66.1818, 76.6964,
80.4230)**

Conversions

Conversions Part 1

Format	Color
Hex	C6EBDE
RGB	198, 235, 222
RGB Percent	78%, 92%, 87%
CMY	0.2235, 0.0784, 0.1294
CMYK	0.16, 0.00, 0.06, 0.08
HSL	159°, 48%, 85%
HSV	159°, 16%, 92%
XYZ	66.1818, 76.6964, 80.4230
YIQ	222.4550, -17.8790, -11.8870

Conversions

Conversions Part 2

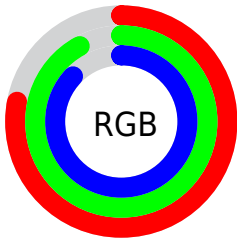
Format	Color
RYB	198, 220, 235
Decimal	13036510
CIELab	90.18, -14.51, 2.28
CIELCh	90, 14.689, 171.056
Yxy	76.6964, 0.2964, 0.3435
Android (android.graphics.Color)	4291226590 (0xFFC6EBDE)
YUV	222.4550, -0.2243, -21.4470
Hunter-Lab	87.5765, -18.3659, 6.8565

Details

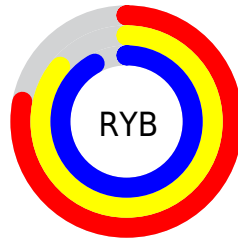
The XYZ color **66.1818, 76.6964, 80.4230** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.2156, 62.7553, 70.2543**, and the grayscale version is **69.7652, 73.3984, 79.9309**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.5968, 40.9595, 42.6418** is the 20% darker color. If you saturate the color by 10%, you get **59.3821, 73.3179, 74.4687**, and if you desaturate by 10%, it is **74.0012, 80.5985, 86.7113**.

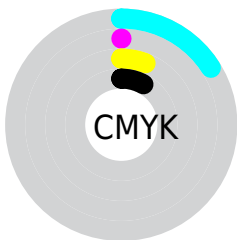
Distribution



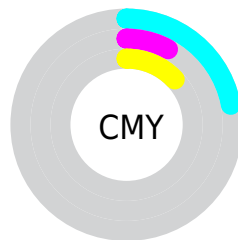
- Red (78%)
- Green (92%)
- Blue (87%)



- Red (78%)
- Yellow (86%)
- Blue (92%)



- Cyan (16%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)



- Cyan (22%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1818, 76.6964, 80.4230 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 66.1818, 76.6964, 80.4230 by changing the saturation by 10% instead.

66.1818, 76.6964,
80.4230

66.1818, 76.6964,
80.4230

436.5052,
483.7283, 516.1015

48.6882, 57.0037,
59.5383

112.8035,
128.7108, 135.7771

34.5858, 41.0082,
42.6237

142.6624,
161.8014, 171.0835

23.5090, 28.3255,
29.2608

177.3737,
200.1267, 212.0342

15.0925, 18.5712,
19.0309

217.3029,
244.0711, 259.0478

8.9711, 11.3608,
11.5156

262.8153,
294.0191, 312.5428

4.7793, 6.3101,
6.2962

314.2762,

2.1518, 3.0345,

350.3550, 372.9377

2.9543

372.0511,
413.4633, 440.6511

0.7171, 1.1498,
1.0714

0.0000, 0.0201,
0.0000

66.1818, 76.6964,
80.4230

66.1818, 76.6964,
80.4230

59.3821, 73.3179,
74.4687

74.0012, 80.5985,
86.7113

53.5505, 70.4302,
68.8371

82.8758, 85.0361,
93.3344

48.6409, 68.0118,
63.5237

87.7038, 87.3812,
100.0588

44.6006, 66.0354,
58.5216

88.9998, 87.8996,
106.8833

■ 41.3711, 64.4712,
53.8241

■ 38.8870, 63.2854,
49.4235

■ 37.0714, 62.4386,
45.3117

■ 35.8302, 61.8822,
41.4798

■ 35.4120, 61.7005,
39.9304

Harmonies

Analogous

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



67.5739, 76.6964, 71.5011



66.1818, 76.6964, 80.4230



66.5418, 76.6964, 90.9413

Triad

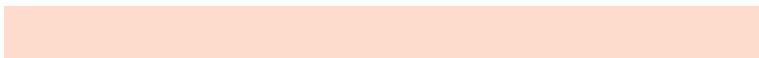
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.1818, 76.6964, 80.4230



75.4485, 76.6964, 103.7078



77.3989, 76.6964, 68.8310

Complementary

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



66.1818, 76.6964, 80.4230



66.2156, 62.7553, 70.2543

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.



79.6458, 76.6964, 76.4937



66.1818, 76.6964, 80.4230



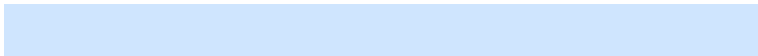
78.4938, 76.6964, 96.7920

Square

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



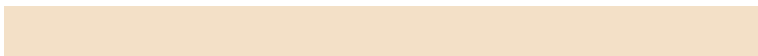
66.1818, 76.6964, 80.4230



71.8118, 76.6964, 104.9812



80.0531, 76.6964, 86.6737



73.9943, 76.6964, 65.1851

Rectangle

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



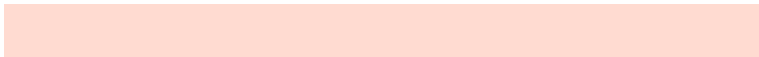
66.1818, 76.6964, 80.4230



67.7321, 76.6964, 97.4194



80.0531, 76.6964, 86.6737



78.3193, 76.6964, 70.9907

Sweetspot

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



66.1840, 76.6996, 80.4247



89.8007, 97.3763, 104.9327



66.9305, 77.4301, 64.8449



19.0687, 20.7664, 22.3423



0.0000, 0.0000, 0.0000



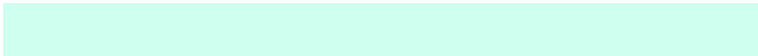
20.3446, 21.4041, 23.3091

Same Dimension

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



66.1840, 76.6996, 80.4247



76.7954, 90.8922, 94.3655



66.6019, 74.6378, 89.4974



15.2799, 17.0268, 18.1565



19.7701, 34.3625, 22.5523



1.5977, 2.7164, 2.0094

Inverse Universe

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



66.2156, 62.7553, 70.2543



76.8410, 71.0267, 79.8793



65.7965, 64.4217, 62.3938



15.2841, 15.1415, 16.7811



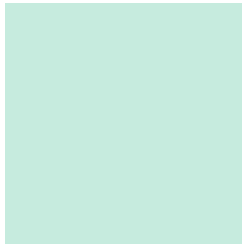
19.9825, 10.1957, 5.7091



1.6133, 0.8183, 0.6809

Previews

White Background



This preview shows how the XYZ color 66.1818, 76.6964, 80.4230 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 66.1818, 76.6964, 80.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

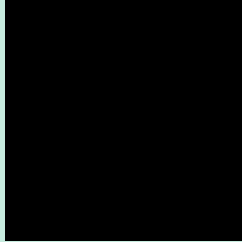
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

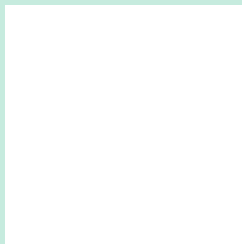
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1818, 76.6964, 80.4230

Background



This preview shows how black text looks on a background with the XYZ color 66.1818, 76.6964, 80.4230.



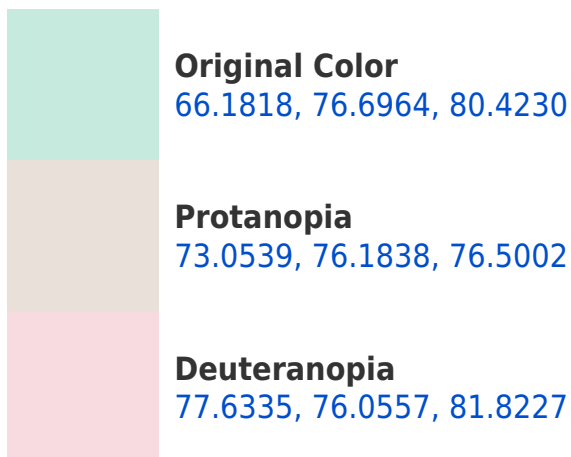
This preview shows how white text looks on a background with the XYZ color 66.1818, 76.6964,

80.4230.

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

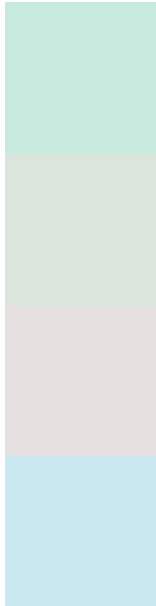




Tritanopia

70.3034, 76.6879, 100.7194

Trichromacy



Original Color

66.1818, 76.6964, 80.4230

Protanomaly

70.3207, 76.3687, 78.0522

Deuteranomaly

73.0129, 76.0552, 81.3529

Tritanomaly

68.5240, 76.3627, 92.7892

Monochromacy



Original Color

66.1818, 76.6964, 80.4230

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.0945, 74.3582, 79.8709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1818, 76.6964, 80.4230 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(198, 235, 222)` looks like.

```
.text, #text, p{  
    color:rgb(198, 235, 222)  
}
```

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(198, 235, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 235, 222) }
```

Border

The CSS property to change the border of an element to XYZ 66.1818, 76.6964, 80.4230 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(198, 235, 222) }
```


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

```
.border{ border-color:rgb(198, 235, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 235, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 235, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 235, 222);  
box-shadow:4px 4px 4px 4px rgb(198, 235,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1818, 76.6964, 80.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 235, 222) }
```

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

```
.background{ background-color: rgb(198,  
235, 222) }
```

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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