

Converting Colors

XYZ(66.8052, 74.8767, 66.1819)

Have a look what the booklet for
XYZ(66.8052, 74.8767, 66.1819)
contains.

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Color

**XYZ(66.8808, 74.8546,
66.1817)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E5C9
RGB	216, 229, 201
RGB Percent	85%, 90%, 79%
CMY	0.1529, 0.1019, 0.2118
CMYK	0.06, 0.00, 0.12, 0.10
HSL	88°, 35%, 84%
HSV	88°, 12%, 90%
XYZ	66.8808, 74.8546, 66.1817
YIQ	221.9210, 1.2400, -11.4640

Conversions

Conversions Part 2

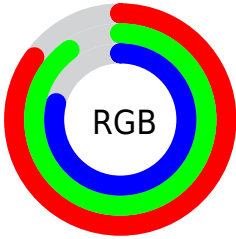
Format	Color
RYB	201, 229, 214
Decimal	14214601
CIELab	89.32, -9.26, 12.18
CIElCh	89, 15.300, 127.255
Yxy	74.8546, 0.3217, 0.3600
Android (android.graphics.Color)	4292404681 (0xFFD8E5C9)
YUV	221.9210, -10.3141, -5.1927
Hunter-Lab	86.5186, -13.4229, 15.2096

Details

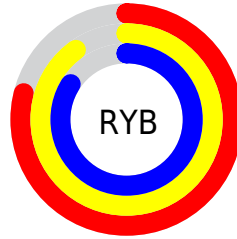
The XYZ color **66.8808, 74.8546, 66.1817** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.7640, 61.7286, 82.7395**, and the grayscale version is **69.4470, 73.0637, 79.5663**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1005, 39.9558, 33.4660** is the 20% darker color. If you saturate the color by 10%, you get **61.3449, 72.2914, 52.8932**, and if you desaturate by 10%, it is **73.0258, 77.6899, 81.5983**.

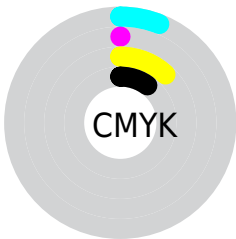
Distribution



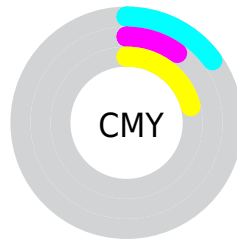
- Red (85%)
- Green (90%)
- Blue (79%)



- Red (79%)
- Yellow (90%)
- Blue (84%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8808, 74.8546, 66.1817 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 66.8808, 74.8546, 66.1817 by changing the saturation by 10% instead.

66.8808, 74.8546,
66.1817

66.8808, 74.8546,
66.1817

438.9595,
477.4177, 465.4484

49.2581, 55.4938,
47.9625

113.8003,
126.1065, 115.3766

35.0396, 39.7972,
33.4374

143.8279,
158.7664, 147.1893

23.8601, 27.3805,
22.1879

178.7211,
196.6281, 184.3703

15.3540, 17.8592,
13.7954

218.8453,
240.0760, 227.3382

9.1562, 10.8489,
7.8414

264.5659,
289.4945, 276.5113

4.9011, 5.9653,
3.9073

316.2482,

2.2235, 2.8240,

345.2681, 332.3084

1.5746

374.2577,
407.7810, 395.1479

■ 0.7551, 1.0406,
0.2726

■ 0.0000, 0.0000,
0.0000

■ 66.8808, 74.8546,
66.1817

■ 66.8808, 74.8546,
66.1817

■ 61.3449, 72.2914,
52.8932

■ 73.0258, 77.6899,
81.5983

■ 56.3905, 69.9813,
41.6344

■ 79.7943, 80.7960,
99.2258

■ 51.9967, 67.9181,
32.3066

■ 84.7485, 83.2007,
106.2004

■ 48.1387, 66.0914,
24.8008

■ 87.3108, 84.5216,
106.3203

■ 44.7897, 64.4900,
18.9970

■ 41.9199, 63.1013,
14.7612

■ 39.4955, 61.9114,
11.9388

■ 37.4766, 60.9039,
10.3440

■ 36.1405, 60.2275,
9.7203

Harmonies

Analogous

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



70.2425, 74.8546, 62.7284



66.8808, 74.8546, 66.1817



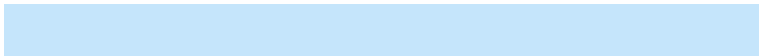
64.7173, 74.8546, 73.7956

Triad

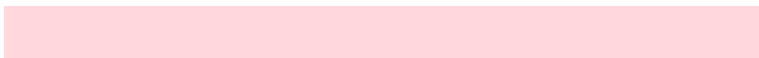
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.8808, 74.8546, 66.1817



68.4020, 74.8546, 102.0172



78.5239, 74.8546, 78.9300

Complementary

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



66.8808, 74.8546, 66.1817



62.7640, 61.7286, 82.7395

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.



77.9892, 74.8546, 89.7312



66.8808, 74.8546, 66.1817



72.0593, 74.8546, 103.6954

Square

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



66.8808, 74.8546, 66.1817



65.5738, 74.8546, 94.6217



75.5910, 74.8546, 99.0254



77.0275, 74.8546, 69.6583

Rectangle

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



66.8808, 74.8546, 66.1817



64.2012, 74.8546, 80.5212



75.5910, 74.8546, 99.0254



78.5766, 74.8546, 82.4946

Sweetspot

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



66.8828, 74.8578, 66.1833



91.7297, 98.4730, 100.3987



66.8040, 68.7687, 65.0121



19.5034, 21.0172, 21.1582



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.



66.8828, 74.8578, 66.1833



83.2562, 94.5622, 79.3395



63.0297, 72.8715, 66.0030



14.9229, 16.4673, 15.2964



20.8027, 34.5057, 5.5638



1.6442, 2.6050, 0.4162

Inverse Universe

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



62.7640, 61.7286, 82.7395



76.8987, 74.2963, 104.8954



66.9005, 63.8610, 82.9331



14.2158, 14.2135, 18.1386



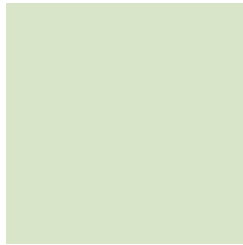
11.6440, 5.0686, 42.7478



0.9668, 0.4294, 3.1639

Previews

White Background



This preview shows how the XYZ color 66.8808, 74.8546, 66.1817 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 66.8808, 74.8546, 66.1817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

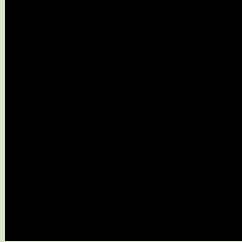
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

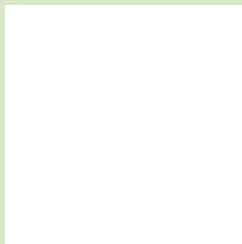
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.8808, 74.8546, 66.1817

Background



This preview shows how black text looks on a background with the XYZ color 66.8808, 74.8546, 66.1817.

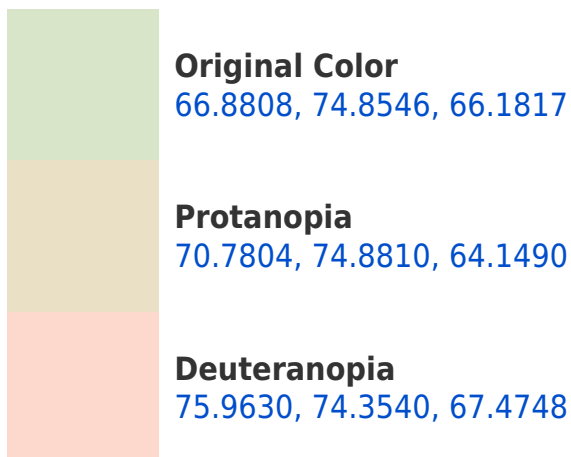


This preview shows how white text looks on a background with the XYZ color 66.8808, 74.8546,

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

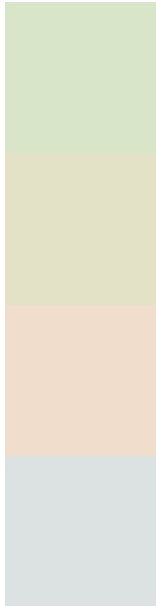




Tritanopia

72.3891, 74.6558, 93.8138

Trichromacy



Original Color

66.8808, 74.8546, 66.1817

Protanomaly

69.1837, 74.8471, 64.8334

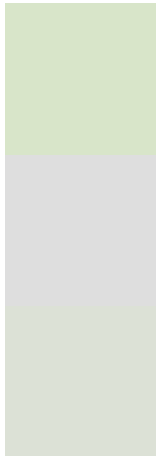
Deuteranomaly

72.5711, 74.5500, 67.0646

Tritanomaly

70.1679, 74.5571, 82.6442

Monochromacy



Original Color

66.8808, 74.8546, 66.1817

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.5780, 73.9211, 74.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8808, 74.8546, 66.1817 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, 229, 201) looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 201)  
}
```

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, 229, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 201) }
```

Border

The CSS property to change the border of an element to XYZ 66.8808, 74.8546, 66.1817 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, 229, 201) }
```


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

```
.border{ border-color:rgb(216, 229, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 201);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8808, 74.8546, 66.1817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 201) }
```

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

```
.background{ background-color: rgb(216,  
229, 201) }
```

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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