

Converting Colors

XYZ(67.0967, 75.0211, 46.5160)

Have a look what the booklet for
XYZ(67.0967, 75.0211, 46.5160)
contains.

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Color

**XYZ(67.1681, 75.0264,
46.5387)**

Conversions

Conversions Part 1

Format	Color
Hex	E6E4A5
RGB	230, 228, 165
RGB Percent	90%, 89%, 65%
CMY	0.0980, 0.1059, 0.3529
CMYK	0.00, 0.01, 0.28, 0.10
HSL	58°, 57%, 77%
HSV	58°, 28%, 90%
XYZ	67.1681, 75.0264, 46.5387
YIQ	221.4160, 21.4150, -19.1690

Conversions

Conversions Part 2

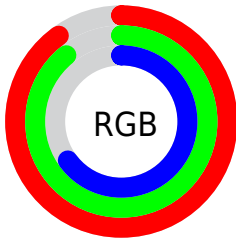
Format	Color
RYB	167, 230, 165
Decimal	15131813
CIELab	89.41, -8.97, 31.08
CIELCh	89, 32.349, 106.104
Yxy	75.0264, 0.3559, 0.3975
Android (android.graphics.Color)	4293321893 (0xFFE6E4A5)
YUV	221.4160, -27.8131, 7.5282
Hunter-Lab	86.6178, -13.1626, 28.7766

Details

The XYZ color **67.1681, 75.0264, 46.5387** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.6186, 41.3490, 80.5455**, and the grayscale version is **69.2002, 72.8040, 79.2836**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **35.3798, 40.0781, 21.4939** is the 20% darker color. If you saturate the color by 10%, you get **65.0671, 73.8786, 36.4226**, and if you desaturate by 10%, it is **69.6502, 76.3332, 58.6410**.

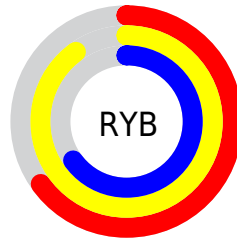
Distribution



Red (90%)

Green (89%)

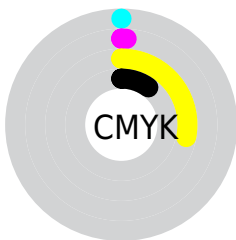
Blue (65%)



Red (65%)

Yellow (90%)

Blue (65%)

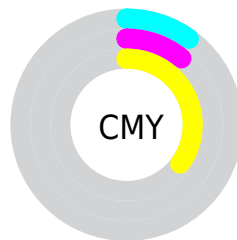


Cyan (0%)

Magenta (1%)

Yellow (28%)

Black (10%)



Cyan (10%)

Magenta (11%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1681, 75.0264, 46.5387 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 67.1681, 75.0264, 46.5387 by changing the saturation by 10% instead.

67.1681, 75.0264,
46.5387

67.1681, 75.0264,
46.5387

439.9660,
478.0083, 389.3105

49.4924, 55.6345,
32.3194

114.2097,
126.3497, 86.3674

35.2264, 39.9100,
21.3387

144.3064,
159.0500, 112.8139

24.0047, 27.4684,
13.1782

179.2741,
196.9551, 144.1731

15.4618, 17.9253,
7.4192

219.4783,
240.4496, 180.8638

9.2326, 10.8964,
3.6432

265.2841,
289.9177, 223.3043

4.9515, 5.9972,
1.4317

317.0572,

2.2533, 2.8434,

345.7440, 271.9132

0.1663

375.1626,
408.3127, 327.1091

■ 0.7706, 1.0505,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1681, 75.0264,
46.5387

■ 67.1681, 75.0264,
46.5387

■ 65.0671, 73.8786,
36.4226

■ 69.6502, 76.3332,
58.6410

■ 63.3214, 72.8715,
28.1816

■ 72.5264, 77.7963,
72.8231

■ 61.9107, 71.9997,
21.7011

■ 75.8160, 79.4260,
89.1784

■ 60.8105, 71.2533,
16.8519

■ 79.2114, 81.0993,
106.0866

■ 59.9930, 70.6213,
13.4871

■ 79.4091, 81.4948,
106.1525

■ 59.4253, 70.0905,
11.4338

■ 79.6077, 81.8919,
106.2187

■ 59.0603, 69.6420,
10.4444

■ 79.8071, 82.2906,
106.2851

■ 59.0055, 69.5676,
10.3180

■ 80.0072, 82.6910,
106.3519

■ 80.2082, 83.0929,
106.4188

Harmonies

Analogous

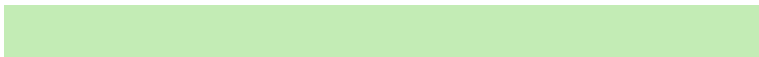
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0313, 75.0264, 46.2403



67.1681, 75.0264, 46.5387



60.8877, 75.0264, 55.0244

Triad

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



67.1681, 75.0264, 46.5387



61.2621, 75.0264, 117.3304



87.1420, 75.0264, 92.6215

Complementary

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



67.1681, 75.0264, 46.5387



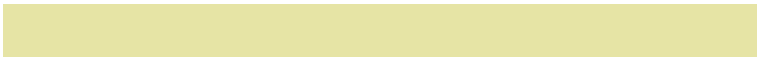
43.6186, 41.3490, 80.5455

Split Complementary

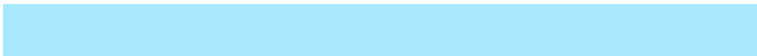
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8593, 75.0264, 115.8233



67.1681, 75.0264, 46.5387



67.7145, 75.0264, 131.7759

Square

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



67.1681, 75.0264, 46.5387



57.6544, 75.0264, 94.3988



75.6195, 75.0264, 131.1782



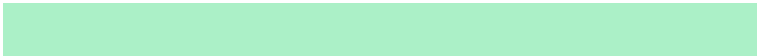
86.9684, 75.0264, 70.1781

Rectangle

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



67.1681, 75.0264, 46.5387



58.2709, 75.0264, 65.2640



75.6195, 75.0264, 131.1782



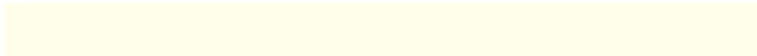
86.1629, 75.0264, 100.6662

Sweetspot

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



67.1700, 75.0298, 46.5403



91.7383, 98.3563, 92.4441



53.0795, 46.5304, 42.8247



19.5106, 20.9894, 19.1674



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.



67.1700, 75.0298, 46.5403



83.2530, 93.9325, 50.9354



58.8195, 71.5443, 46.3076



15.5617, 16.7373, 15.3149



33.4229, 39.4199, 5.8472



2.4818, 2.9370, 0.4361

Inverse Universe

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



43.6186, 41.3490, 80.5455



48.8179, 44.6887, 100.6606



50.3308, 44.2710, 80.7557



13.6181, 13.9576, 18.1207



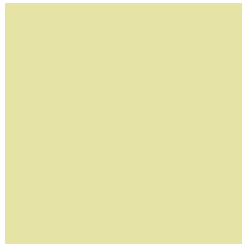
8.1456, 3.3534, 42.6011



0.6145, 0.2730, 3.1523

Previews

White Background



This preview shows how the XYZ color 67.1681, 75.0264, 46.5387 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 67.1681, 75.0264, 46.5387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

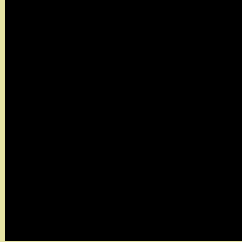
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

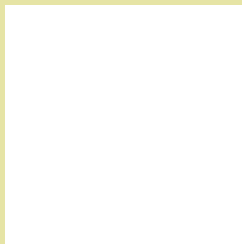
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1681, 75.0264, 46.5387

Background



This preview shows how black text looks on a background with the XYZ color 67.1681, 75.0264, 46.5387.

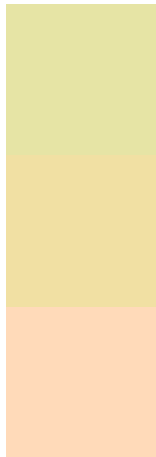


This preview shows how white text looks on a background with the XYZ color 67.1681, 75.0264,

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

67.1681, 75.0264, 46.5387

Protanopia

69.5421, 74.6564, 45.3952

Deuteranopia

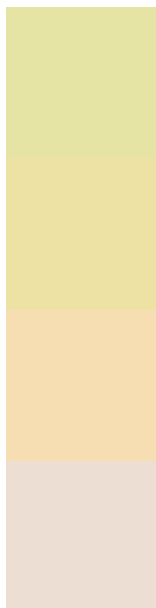
75.0684, 74.9056, 56.4006



Tritanopia

76.0684, 75.0699, 89.8376

Trichromacy



Original Color

67.1681, 75.0264, 46.5387

Protanomaly

68.5511, 74.5353, 45.8957

Deuteranomaly

72.1632, 75.0497, 52.8021

Tritanomaly

72.3462, 74.7286, 71.5838

Monochromacy



Original Color

67.1681, 75.0264, 46.5387

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.9387, 73.3756, 65.8405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1681, 75.0264, 46.5387 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(230, 228, 165)` looks like.

```
.text, #text, p{  
    color:rgb(230, 228, 165)  
}
```

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(230, 228, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 228, 165) }
```

Border

The CSS property to change the border of an element to XYZ 67.1681, 75.0264, 46.5387 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(230, 228, 165) }
```


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

```
.border{ border-color:rgb(230, 228, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 228, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 228, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 228, 165);  
box-shadow:4px 4px 4px 4px rgb(230, 228,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1681, 75.0264, 46.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 228, 165) }
```

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

```
.background{ background-color: rgb(230,  
228, 165) }
```

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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