

Converting Colors

XYZ(68.9293, 76.7664, 46.3064)

Have a look what the booklet for
XYZ(68.9293, 76.7664, 46.3064)
contains.

XYZ(68.9293, 76.7664, 46.3064)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.9293, 76.7664,
46.3064)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE6A4
RGB	234, 230, 164
RGB Percent	92%, 90%, 64%
CMY	0.0824, 0.0980, 0.3569
CMYK	0.00, 0.02, 0.30, 0.08
HSL	57°, 62%, 78%
HSV	57°, 30%, 92%
XYZ	68.9293, 76.7664, 46.3064
YIQ	223.6720, 23.5700, -19.6780

Conversions

Conversions Part 2

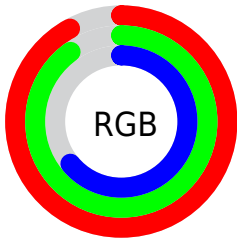
Format	Color
R _Y B	168, 234, 164
Decimal	15394468
CIE Lab	90.21, -8.60, 32.72
CIE LCh	90, 33.835, 104.724
Yxy	76.7664, 0.3590, 0.3998
Android (android.graphics.Color)	4293584548 (0xFFEAE6A4)
YUV	223.6720, -29.4183, 9.0577
Hunter-Lab	87.6164, -12.8999, 29.9960

Details

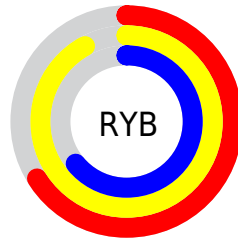
The XYZ color **68.9293, 76.7664, 46.3064** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.1635, 41.8371, 83.5896**, and the grayscale version is **70.8106, 74.4982, 81.1286**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **36.3861, 41.1769, 21.3594** is the 20% darker color. If you saturate the color by 10%, you get **66.6382, 75.2604, 36.0589**, and if you desaturate by 10%, it is **71.6160, 78.4406, 58.6058**.

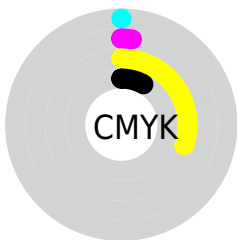
Distribution



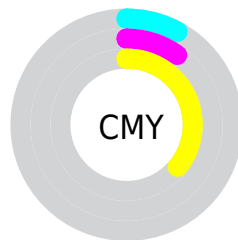
- Red (92%)
- Green (90%)
- Blue (64%)



- Red (66%)
- Yellow (92%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (30%)
- Black (8%)



- Cyan (8%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9293, 76.7664, 46.3064 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 68.9293, 76.7664, 46.3064 by changing the saturation by 10% instead.

68.9293, 76.7664,
46.3064

68.9293, 76.7664,
46.3064

446.1069,
483.9672, 388.3524

50.9306, 57.0612,
32.1373

116.7152,
128.8097, 86.0165

36.3742, 41.0544,
21.2007

147.2331,
161.9165, 112.3945

24.8948, 28.3616,
13.0781

182.6547,
200.2593, 143.6792

16.1270, 18.5984,
7.3510

223.3455,
244.2226, 180.2892

9.7055, 11.3804,
3.6008

269.6707,
294.1906, 222.6430

5.2649, 6.3233,
1.4090

321.9958,

2.4398, 3.0427,

350.5477, 271.1591

0.1487

380.6861,
413.6785, 326.2560

■ 0.8650, 1.1541,
0.0000

■ 0.0000, 0.0237,
0.0000

■ 68.9293, 76.7664,
46.3064

■ 68.9293, 76.7664,
46.3064

■ 66.6382, 75.2604,
36.0589

■ 71.6160, 78.4406,
58.6058

■ 64.7155, 73.9036,
27.7460

■ 74.7122, 80.2804,
73.0560

■ 63.1397, 72.6901,
21.2460

■ 78.2382, 82.2968,
89.7556

■ 61.8848, 71.6094,
16.4215

■ 81.7894, 84.3278,
106.5739

■ 60.9208, 70.6497,
13.1154

■ 82.1739, 85.0968,
106.7020

■ 60.2124, 69.7967,
11.1412

■ 82.5612, 85.8714,
106.8311

■ 59.6996, 69.0264,
10.1827

■ 82.9514, 86.6519,
106.9612

■ 59.6954, 69.0199,
10.1759

■ 83.3445, 87.4381,
107.0923

■ 83.7405, 88.2301,
107.2243

Harmonies

Analogous

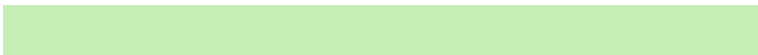
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3100, 76.7664, 46.3845



68.9293, 76.7664, 46.3064



62.1621, 76.7664, 54.7994

Triad

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



68.9293, 76.7664, 46.3064



62.0630, 76.7664, 120.6106



89.7090, 76.7664, 96.3965

Complementary

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



68.9293, 76.7664, 46.3064



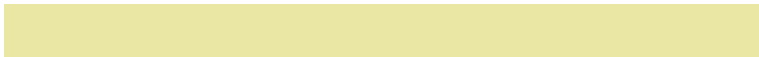
44.1635, 41.8371, 83.5896

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.



84.9503, 76.7664, 121.0146



68.9293, 76.7664, 46.3064



68.7843, 76.7664, 136.7188

Square

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



68.9293, 76.7664, 46.3064



58.4097, 76.7664, 95.9225



77.1535, 76.7664, 136.8794



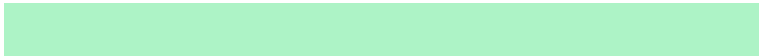
89.7554, 76.7664, 72.3545

Rectangle

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



68.9293, 76.7664, 46.3064



59.2914, 76.7664, 65.3226



77.1535, 76.7664, 136.8794



88.5921, 76.7664, 104.9699

Sweetspot

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



68.9312, 76.7699, 46.3080



91.1563, 97.7764, 90.4495



54.3379, 46.8963, 43.5612



19.3852, 20.8548, 18.7670



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.



68.9312, 76.7699, 46.3080



81.9805, 92.1349, 48.2073



60.9347, 74.3165, 46.2559



16.2740, 17.4711, 16.0332



33.5778, 38.8498, 5.7290



2.6591, 3.0956, 0.4574

Inverse Universe

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



44.1635, 41.8371, 83.5896



47.2789, 43.1949, 100.4533



50.4613, 44.0059, 83.6763



14.3002, 14.6868, 19.0034



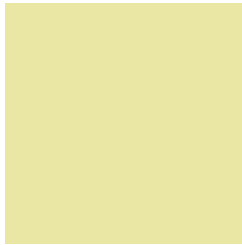
8.4578, 3.5625, 43.9848



0.6885, 0.3285, 3.4620

Previews

White Background



This preview shows how the XYZ color 68.9293, 76.7664, 46.3064 looks on a white background.

Color Contrast Check

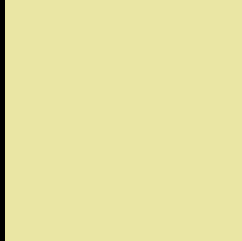
Large Text (above 18pt) WCAG AA × Fail

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 68.9293, 76.7664, 46.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

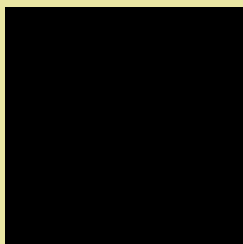
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9293, 76.7664, 46.3064

Background



This preview shows how black text looks on a background with the XYZ color 68.9293, 76.7664, 46.3064.

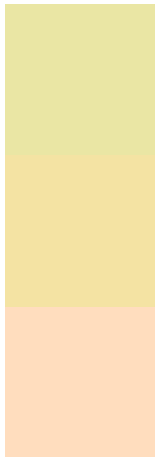


This preview shows how white text looks on a background with the XYZ color 68.9293, 76.7664,

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

68.9293, 76.7664, 46.3064

Protanopia

71.3882, 76.8156, 45.7147

Deuteranopia

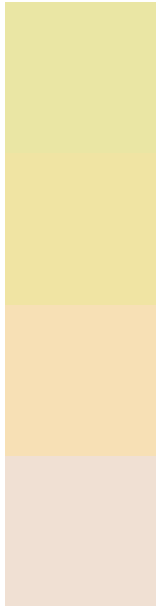
76.3907, 76.6906, 59.4917



Tritanopia

77.9880, 76.4141, 91.5279

Trichromacy



Original Color

68.9293, 76.7664, 46.3064

Protanomaly

70.2894, 76.6564, 45.7418

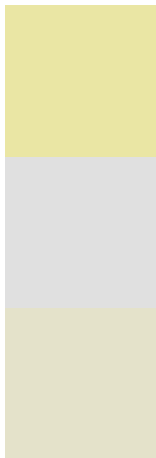
Deuteranomaly

73.3539, 76.4217, 54.6008

Tritanomaly

74.3487, 76.5397, 72.4831

Monochromacy



Original Color

68.9293, 76.7664, 46.3064

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.8519, 75.1510, 66.7011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9293, 76.7664, 46.3064 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(234, 230, 164)` looks like.

```
.text, #text, p{  
    color:rgb(234, 230, 164)  
}
```

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(234, 230, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 230, 164) }
```

Border

The CSS property to change the border of an element to XYZ 68.9293, 76.7664, 46.3064 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(234, 230, 164) }
```


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

```
.border{ border-color:rgb(234, 230, 164) }
```

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

Here you see how a box with a 4 pixel rgb(234, 230, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 230, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 230, 164);  
box-shadow:4px 4px 4px 4px rgb(234, 230,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9293, 76.7664, 46.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 230, 164) }
```

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

```
.background{ background-color: rgb(234,  
230, 164) }
```

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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