

Converting Colors

XYZ(68.1135, 74.7904, 43.4523)

Have a look what the booklet for
XYZ(68.1135, 74.7904, 43.4523)
contains.

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Color

**XYZ(68.0464, 74.7288,
43.6386)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE29F
RGB	236, 226, 159
RGB Percent	93%, 89%, 62%
CMY	0.0745, 0.1137, 0.3765
CMYK	0.00, 0.04, 0.33, 0.07
HSL	52°, 67%, 77%
HSV	52°, 33%, 93%
XYZ	68.0464, 74.7288, 43.6386
YIQ	221.3520, 27.4670, -18.7170

Conversions

Conversions Part 2

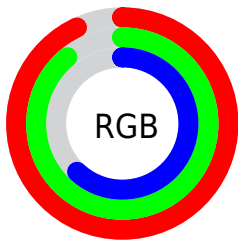
Format	Color
RYB	170, 236, 159
Decimal	15524511
CIELab	89.27, -6.44, 34.04
CIELCh	89, 34.639, 100.713
Yxy	74.7288, 0.3650, 0.4009
Android (android.graphics.Color)	4293714591 (0xFFECE29F)
YUV	221.3520, -30.7395, 12.8463
Hunter-Lab	86.4458, -10.7727, 30.5820

Details

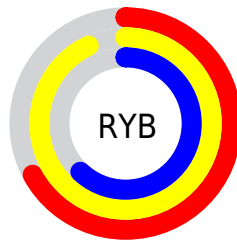
The XYZ color **68.0464, 74.7288, 43.6386** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.6261, 41.8018, 85.1260**, and the grayscale version is **69.1721, 72.7744, 79.2513**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **35.8072, 39.7711, 19.6993** is the 20% darker color. If you saturate the color by 10%, you get **65.3661, 72.3384, 33.5880**, and if you desaturate by 10%, it is **71.1364, 77.3122, 55.7565**.

Distribution



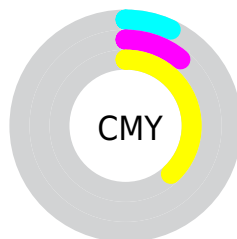
- Red (93%)
- Green (89%)
- Blue (62%)



- Red (67%)
- Yellow (93%)
- Blue (62%)



- Cyan (0%)
- Magenta (4%)
- Yellow (33%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0464, 74.7288, 43.6386 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 68.0464, 74.7288, 43.6386 by changing the saturation by 10% instead.

68.0464, 74.7288,
43.6386

68.0464, 74.7288,
43.6386

443.0345,
476.9849, 377.2296

50.2093, 55.3907,
30.0514

115.4601,
125.9284, 81.9703

35.7982, 39.7147,
19.6252

145.7673,
158.5587, 107.5519

24.4478, 27.3161,
11.9415

180.9620,
196.3886, 137.9687

15.7926, 17.8108,
6.5818

221.4095,
239.8024, 173.6392

9.4675, 10.8142,
3.1275

267.4752,
289.1845, 214.9820

5.1069, 5.9421,
1.1601

319.5243,

2.3455, 2.8099,

344.9194, 262.4157

0.0000

377.9223,
407.3914, 316.3587

■ 0.8178, 1.0333,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0464, 74.7288,
43.6386

■ 68.0464, 74.7288,
43.6386

■ 65.3661, 72.3384,
33.5880

■ 71.1364, 77.3122,
55.7565

■ 63.0674, 70.1217,
25.4824

■ 74.6511, 80.0867,
70.0452

■ 61.1275, 68.0721,
19.1940

■ 78.6116, 83.0636,
86.6070

■ 59.5190, 66.1785,
14.5776

■ 83.0357, 86.2502,
105.5363

■ 58.2098, 64.4279,
11.4659

■ 84.1927, 88.1541,
107.1858

■ 57.1615, 62.8049,
9.6568

■ 85.1087, 89.9861,
107.4911

■ 56.5117, 61.6721,
8.9254

■ 86.0400, 91.8487,
107.8015

■ 86.9867, 93.7422,
108.1171

■ 87.9489, 95.6665,
108.4378

Harmonies

Analogous

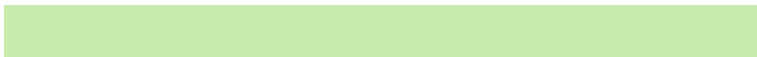
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5373, 74.7288, 44.8396



68.0464, 74.7288, 43.6386



60.9365, 74.7288, 50.9159

Triad

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



68.0464, 74.7288, 43.6386



59.3968, 74.7288, 115.6946



87.5146, 74.7288, 97.7458

Complementary

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



68.0464, 74.7288, 43.6386



43.6261, 41.8018, 85.1260

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.



82.1751, 74.7288, 122.0353



68.0464, 74.7288, 43.6386



65.7887, 74.7288, 133.7374

Square

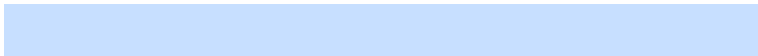
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.0464, 74.7288, 43.6386



56.2128, 74.7288, 90.3377



74.0944, 74.7288, 136.2641



88.2401, 74.7288, 73.0106

Rectangle

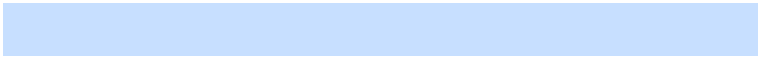
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0464, 74.7288, 43.6386



57.7633, 74.7288, 60.6381



74.0944, 74.7288, 136.2641



86.1810, 74.7288, 106.3515

Sweetspot

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



68.0483, 74.7322, 43.6402



90.1660, 96.3715, 88.3446



54.1773, 45.5046, 43.5963



19.1617, 20.5226, 18.3390



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.



68.0483, 74.7322, 43.6402



78.9822, 87.2042, 43.9223



62.2007, 75.8704, 44.1681



16.1755, 17.2740, 16.0004



31.2182, 34.1306, 4.9425



2.4979, 2.7730, 0.4036

Inverse Universe

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



43.6261, 41.8018, 85.1260



45.7607, 42.4178, 100.3833



48.0898, 41.4476, 84.8224



14.3888, 14.8640, 19.0329



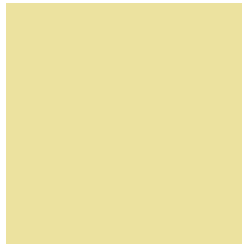
8.6620, 3.9711, 44.0529



0.7308, 0.4130, 3.4761

Previews

White Background



This preview shows how the XYZ color 68.0464, 74.7288, 43.6386 looks on a white background.

Color Contrast Check

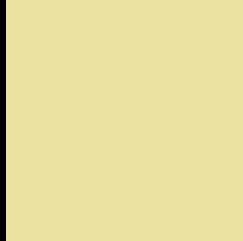
Large Text (above 18pt) WCAG AA × Fail

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 68.0464, 74.7288, 43.6386 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 68.0464, 74.7288, 43.6386

Background



This preview shows how black text looks on a background with the XYZ color 68.0464, 74.7288, 43.6386.



This preview shows how white text looks on a background with the XYZ color 68.0464, 74.7288,

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

68.0464, 74.7288, 43.6386

Protanopia

69.4452, 74.6572, 43.0979

Deuteranopia

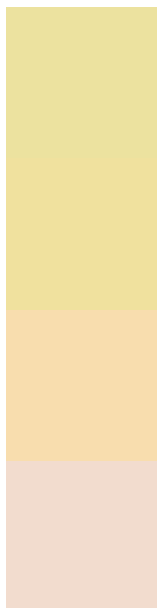
74.7549, 74.7802, 54.7500



Tritanopia

76.9200, 74.4074, 87.3987

Trichromacy



Original Color

68.0464, 74.7288, 43.6386

Protanomaly

69.0319, 74.8443, 43.1558

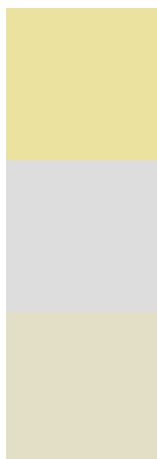
Deuteranomaly

72.2078, 74.7254, 50.6621

Tritanomaly

73.3517, 74.5199, 68.9102

Monochromacy



Original Color

68.0464, 74.7288, 43.6386

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.9447, 73.0213, 63.9395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0464, 74.7288, 43.6386 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(236, 226, 159)` looks like.

```
.text, #text, p{  
    color:rgb(236, 226, 159)  
}
```

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(236, 226, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 226, 159) }
```

Border

The CSS property to change the border of an element to XYZ 68.0464, 74.7288, 43.6386 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(236, 226, 159) }
```


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

```
.border{ border-color:rgb(236, 226, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 226, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 226, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 226, 159); box-shadow:4px 4px 4px 4px rgb(236, 226, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0464, 74.7288, 43.6386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 226, 159) }
```

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

```
.background{ background-color: rgb(236,  
226, 159) }
```

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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