

Converting Colors

XYZ(68.6869, 76.3344, 59.8896)

Have a look what the booklet for
XYZ(68.6869, 76.3344, 59.8896)
contains.

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Color

**XYZ(68.6424, 76.3189,
59.8284)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E6BE
RGB	225, 230, 190
RGB Percent	88%, 90%, 75%
CMY	0.1176, 0.0980, 0.2549
CMYK	0.02, 0.00, 0.17, 0.10
HSL	68°, 44%, 82%
HSV	68°, 17%, 90%
XYZ	68.6424, 76.3189, 59.8284
YIQ	223.9450, 9.8600, -13.5000

Conversions

Conversions Part 2

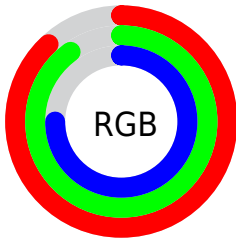
Format	Color
RYB	190, 230, 195
Decimal	14804670
CIELab	90.01, -8.33, 18.96
CIElCh	90, 20.709, 113.725
Yxy	76.3189, 0.3352, 0.3727
Android (android.graphics.Color)	4292994750 (0xFFE1E6BE)
YUV	223.9450, -16.7349, 0.9252
Hunter-Lab	87.3607, -12.6274, 20.5481

Details

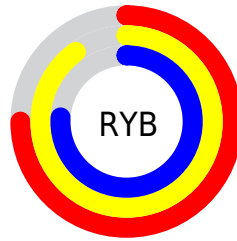
The XYZ color **68.6424, 76.3189, 59.8284** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.2051, 54.1443, 82.4084**, and the grayscale version is **70.9248, 74.6184, 81.2595**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **36.2075, 40.9011, 29.6533** is the 20% darker color. If you saturate the color by 10%, you get **65.4355, 74.9359, 47.5751**, and if you desaturate by 10%, it is **72.2653, 77.8751, 74.1751**.

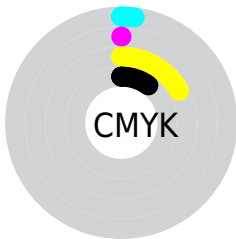
Distribution



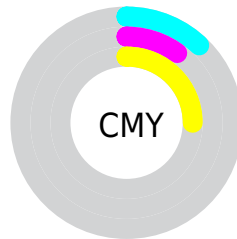
- Red (88%)
- Green (90%)
- Blue (75%)



- Red (75%)
- Yellow (90%)
- Blue (76%)



- Cyan (2%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)



- Cyan (12%)
- Magenta (10%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6424, 76.3189, 59.8284 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 68.6424, 76.3189, 59.8284 by changing the saturation by 10% instead.

68.6424, 76.3189,
59.8284

68.6424, 76.3189,
59.8284

445.1098,
482.4387, 441.7520

50.6961, 56.6940,
42.8559

116.3075,
128.1776, 106.1216

36.1869, 40.7596,
29.4415

146.7571,
161.1802, 136.2795

24.7493, 28.1313,
19.1666

182.1051,
199.4109, 171.6696

16.0181, 18.4247,
11.6127

222.7170,
243.2540, 212.7104

9.6279, 11.2553,
6.3612

268.9581,
293.0939, 259.8205

5.2133, 6.2388,
2.9936

321.1936,

2.4090, 2.9908,

349.3151, 313.4185

1.0914

379.7891,
412.3019, 373.9228

■ 0.8496, 1.1270,
0.0000

■ 0.0000, 0.0008,
0.0000

■ 68.6424, 76.3189,
59.8284

■ 68.6424, 76.3189,
59.8284

■ 65.4355, 74.9359,
47.5751

■ 72.2653, 77.8751,
74.1751

■ 62.6198, 73.7086,
37.3126

■ 76.3155, 79.6015,
90.7016

■ 60.1772, 72.6323,
28.9370

■ 80.1600, 81.2473,
106.0652

■ 58.0859, 71.6981,
22.3329

■ 81.1106, 81.7374,
106.1096

■ 56.3213, 70.8965,
17.3724

■ 82.0766, 82.2354,
106.1549

■ 54.8560, 70.2162,
13.9105

■ 83.0581, 82.7413,
106.2008

■ 53.6574, 69.6443,
11.7769

■ 84.0551, 83.2553,
106.2474

■ 52.6827, 69.1636,
10.7455

■ 85.0678, 83.7774,
106.2948

■ 52.4473, 69.0460,
10.5630

■ 86.0961, 84.3075,
106.3430

Harmonies

Analogous

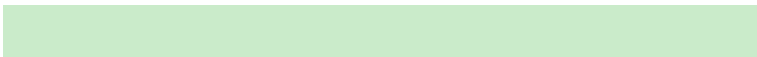
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6222, 76.3189, 58.0643



68.6424, 76.3189, 59.8284



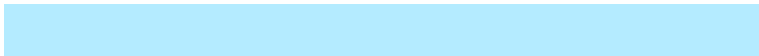
64.8744, 76.3189, 67.4811

Triad

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



68.6424, 76.3189, 59.8284



66.8584, 76.3189, 108.0140



82.7910, 76.3189, 86.2241

Complementary

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



68.6424, 76.3189, 59.8284



55.2051, 54.1443, 82.4084

Split Complementary

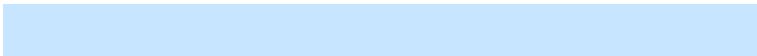
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7843, 76.3189, 100.9563



68.6424, 76.3189, 59.8284



71.4661, 76.3189, 114.4570

Square

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



68.6424, 76.3189, 59.8284



63.8789, 76.3189, 94.9894



76.5800, 76.3189, 111.7331



81.9481, 76.3189, 72.2435

Rectangle

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



68.6424, 76.3189, 59.8284



63.4770, 76.3189, 75.4309



76.5800, 76.3189, 111.7331



82.4245, 76.3189, 91.2684

Sweetspot

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



68.6444, 76.3223, 59.8300



92.4801, 98.9045, 98.4177



61.3705, 59.4238, 56.9517



19.7196, 21.1377, 20.7622



0.0000, 0.0000, 0.0000



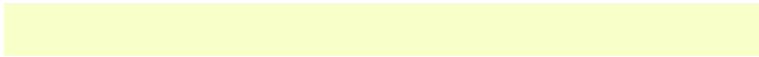
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6444, 76.3223, 59.8300



85.1735, 95.7696, 69.5326



62.8627, 73.3417, 59.5595



15.4148, 16.7209, 15.3195



29.7627, 39.1247, 5.9832



2.2493, 2.9169, 0.4445

Inverse Universe

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



55.2051, 54.1443, 82.4084



65.0963, 62.6350, 103.2666



60.6254, 56.9386, 82.6621



13.7496, 13.9731, 18.1167



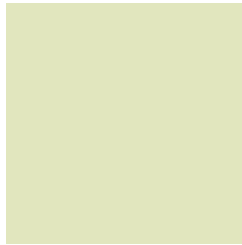
8.4245, 3.4089, 42.5971



0.6774, 0.2802, 3.1503

Previews

White Background



This preview shows how the XYZ color 68.6424, 76.3189, 59.8284 looks on a white background.

Color Contrast Check

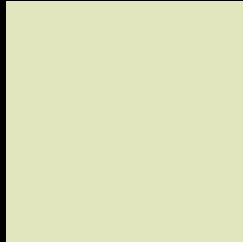
Large Text (above 18pt) WCAG AA × Fail

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 68.6424, 76.3189, 59.8284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

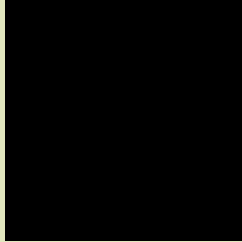
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

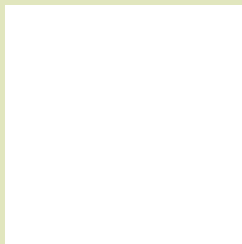
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6424, 76.3189, 59.8284

Background



This preview shows how black text looks on a background with the XYZ color 68.6424, 76.3189, 59.8284.



This preview shows how white text looks on a background with the XYZ color 68.6424, 76.3189, 59.8284.

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

68.6424, 76.3189, 59.8284

Protanopia

71.8701, 76.3743, 58.5307

Deuteranopia

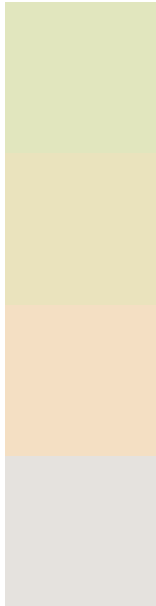
76.7646, 76.0003, 64.0497



Tritanopia

75.5436, 76.2820, 93.9614

Trichromacy



Original Color

68.6424, 76.3189, 59.8284

Protanomaly

70.5861, 76.1047, 59.1135

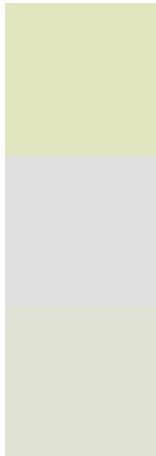
Deuteranomaly

73.5462, 75.9486, 62.4130

Tritanomaly

72.6943, 76.3247, 80.0080

Monochromacy



Original Color

68.6424, 76.3189, 59.8284

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.8205, 74.9935, 73.0826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6424, 76.3189, 59.8284 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(225, 230, 190)` looks like.

```
.text, #text, p{  
    color:rgb(225, 230, 190)  
}
```

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(225, 230, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 230, 190) }
```

Border

The CSS property to change the border of an element to XYZ 68.6424, 76.3189, 59.8284 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(225, 230, 190) }
```


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

```
.border{ border-color:rgb(225, 230, 190) }
```

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

Here you see how a box with a 4 pixel rgb(225, 230, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 230, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 230, 190);  
box-shadow:4px 4px 4px 4px rgb(225, 230,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6424, 76.3189, 59.8284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 230, 190) }
```

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

```
.background{ background-color: rgb(225,  
230, 190) }
```

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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