

Converting Colors

XYZ(68.4811, 75.4394, 59.7180)

Have a look what the booklet for
XYZ(68.4811, 75.4394, 59.7180)
contains.

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Color

**XYZ(68.4017, 75.3733,
59.6585)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E4BE
RGB	226, 228, 190
RGB Percent	89%, 89%, 75%
CMY	0.1137, 0.1059, 0.2549
CMYK	0.01, 0.00, 0.17, 0.11
HSL	63°, 41%, 82%
HSV	63°, 17%, 89%
XYZ	68.4017, 75.3733, 59.6585
YIQ	223.0700, 11.0060, -12.2420

Conversions

Conversions Part 2

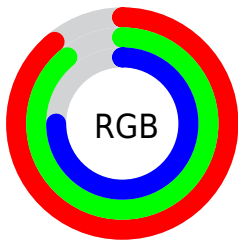
Format	Color
RYB	190, 228, 192
Decimal	14869694
CIELab	89.57, -6.96, 18.36
CIELCh	90, 19.632, 110.771
Yxy	75.3733, 0.3362, 0.3705
Android (android.graphics.Color)	4293059774 (0xFFE2E4BE)
YUV	223.0700, -16.3035, 2.5696
Hunter-Lab	86.8178, -11.2952, 20.0302

Details

The XYZ color **68.4017, 75.3733, 59.6585** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.1582, 53.6368, 80.9015**, and the grayscale version is **70.2974, 73.9584, 80.5407**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **36.0365, 40.2393, 29.5346** is the 20% darker color. If you saturate the color by 10%, you get **65.7270, 74.2625, 47.5267**, and if you desaturate by 10%, it is **71.4730, 76.6481, 73.8469**.

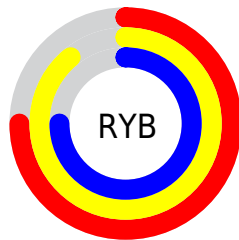
Distribution



Red (89%)

Green (89%)

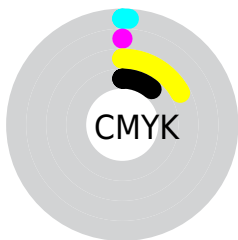
Blue (75%)



Red (75%)

Yellow (89%)

Blue (75%)

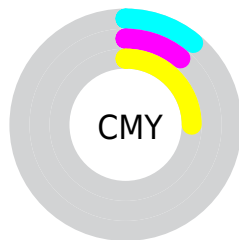


Cyan (1%)

Magenta (0%)

Yellow (17%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4017, 75.3733, 59.6585 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 68.4017, 75.3733, 59.6585 by changing the saturation by 10% instead.

68.4017, 75.3733,
59.6585

68.4017, 75.3733,
59.6585

444.2724,
479.1997, 441.1075

50.4995, 55.9188,
42.7199

115.9654,
126.8406, 105.8726

36.0298, 40.1378,
29.3357

146.3575,
159.6222, 135.9853

24.6275, 27.6460,
19.0871

181.6437,
197.6150, 171.3264

15.9270, 18.0590,
11.5558

222.1893,
241.2033, 212.3145

9.5630, 10.9923,
6.3231

268.3596,
290.7715, 259.3681

5.1702, 6.0617,
2.9706

320.5199,

2.3833, 2.8826,

346.7040, 312.9058

1.0796

379.0358,
409.3853, 373.3461

■ 0.8368, 1.0708,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4017, 75.3733,
59.6585

■ 68.4017, 75.3733,
59.6585

■ 65.7270, 74.2625,
47.5267

■ 71.4730, 76.6481,
73.8469

■ 63.4247, 73.2985,
37.3516


■ 74.9517, 78.0836,
90.1760

■ 61.4775, 72.4768,
29.0319


■ 78.3029, 79.4684,
105.8197


■ 59.8639, 71.7888,
22.4557


■ 78.6895, 79.6677,
105.8378


 58.5604, 71.2252,
17.4987


 79.0787, 79.8684,
105.8560

 57.5403, 70.7753,
14.0204


 79.4706, 80.0704,
105.8743


 56.7725, 70.4265,
11.8566

 79.8652, 80.2738,
105.8928

 56.2171, 70.1631,
10.7980

 80.2624, 80.4786,
105.9114

 56.0569, 70.0853,
10.5733

 80.6624, 80.6848,
105.9301

Harmonies

Analogous

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



73.1375, 75.3733, 58.5479



68.4017, 75.3733, 59.6585



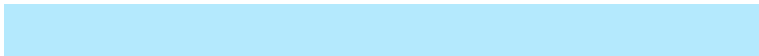
64.6946, 75.3733, 66.3936

Triad

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



68.4017, 75.3733, 59.6585



65.9344, 75.3733, 104.4065



81.1880, 75.3733, 86.4019

Complementary

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



68.4017, 75.3733, 59.6585



54.1582, 53.6368, 80.9015

Split Complementary

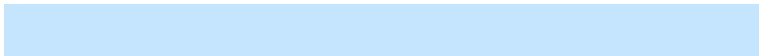
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0656, 75.3733, 100.0351



68.4017, 75.3733, 59.6585



70.1632, 75.3733, 111.1709

Square

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



68.4017, 75.3733, 59.6585



63.3151, 75.3733, 91.8513



74.9791, 75.3733, 109.4872



80.6645, 75.3733, 73.0066

Rectangle

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



68.4017, 75.3733, 59.6585



63.2365, 75.3733, 73.6296



74.9791, 75.3733, 109.4872



80.7569, 75.3733, 91.1292

Sweetspot

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



68.4037, 75.3766, 59.6601



92.8175, 99.0785, 98.4335



60.1193, 57.8690, 56.7174



19.8019, 21.1801, 20.7661



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.



68.4037, 75.3766, 59.6601



86.9161, 96.6329, 71.1978



62.8005, 72.4881, 59.3979



15.5225, 16.7764, 15.3245



32.4000, 40.4843, 6.1066



2.4174, 3.0036, 0.4523

Inverse Universe

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



54.1582, 53.6368, 80.9015



65.2887, 63.6266, 103.4478



59.2547, 56.2642, 81.1400



13.6528, 13.9233, 18.1122



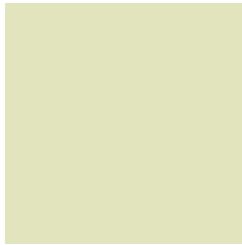
8.2041, 3.2952, 42.5868



0.6312, 0.2564, 3.1482

Previews

White Background



This preview shows how the XYZ color 68.4017, 75.3733, 59.6585 looks on a white background.

Color Contrast Check

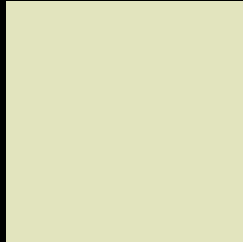
Large Text (above 18pt) WCAG AA × Fail

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 68.4017, 75.3733, 59.6585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

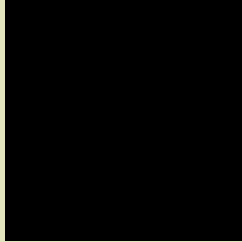
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

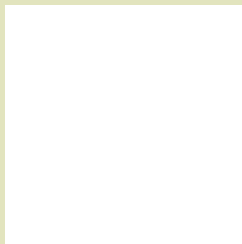
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4017, 75.3733, 59.6585

Background



This preview shows how black text looks on a background with the XYZ color 68.4017, 75.3733, 59.6585.



This preview shows how white text looks on a background with the XYZ color 68.4017, 75.3733, 59.6585.

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

68.4017, 75.3733, 59.6585

Protanopia

70.6578, 74.9467, 58.3190

Deuteranopia

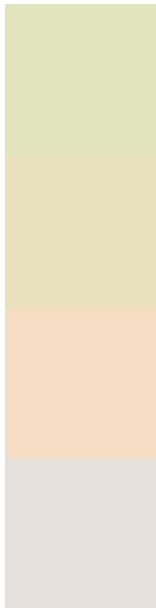
76.0167, 74.8712, 62.6696



Tritanopia

75.0407, 75.2685, 92.2346

Trichromacy



Original Color

68.4017, 75.3733, 59.6585

Protanomaly

69.7148, 74.8482, 58.9169

Deuteranomaly

72.9023, 74.8410, 61.6423

Tritanomaly

72.3399, 75.3548, 79.1388

Monochromacy



Original Color

68.4017, 75.3733, 59.6585

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.4236, 74.4009, 72.3298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4017, 75.3733, 59.6585 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(226, 228, 190)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 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(226, 228, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 190) }
```

Border

The CSS property to change the border of an element to XYZ 68.4017, 75.3733, 59.6585 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(226, 228, 190) }
```


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

```
.border{ border-color:rgb(226, 228, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 228, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 228, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 228, 190);  
box-shadow:4px 4px 4px 4px rgb(226, 228,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4017, 75.3733, 59.6585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 190) }
```

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

```
.background{ background-color: rgb(226,  
228, 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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