

Converting Colors

XYZ(63.3127, 68.6532, 29.9897)

Have a look what the booklet for
XYZ(63.3127, 68.6532, 29.9897)
contains.

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Color

**XYZ(63.3117, 68.6486,
29.9923)**

Conversions

Conversions Part 1

Format	Color
Hex	EDD87F
RGB	237, 216, 127
RGB Percent	93%, 85%, 50%
CMY	0.0706, 0.1529, 0.5020
CMYK	0.00, 0.09, 0.46, 0.07
HSL	49°, 75%, 71%
HSV	49°, 46%, 93%
XYZ	63.3117, 68.6486, 29.9923
YIQ	212.1330, 41.0850, -23.2270

Conversions

Conversions Part 2

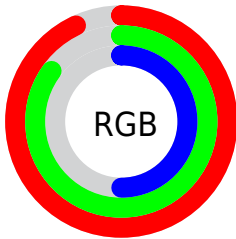
Format	Color
RYB	153, 237, 127
Decimal	15587455
CIELab	86.33, -4.41, 46.30
CIELCh	86, 46.509, 95.438
Yxy	68.6486, 0.3909, 0.4239
Android (android.graphics.Color)	4293777535 (0xFFEDD87F)
YUV	212.1330, -41.9706, 21.8084
Hunter-Lab	82.8545, -8.5978, 36.5359

Details

The XYZ color **63.3117, 68.6486, 29.9923** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.6281, 31.8052, 84.4345**, and the grayscale version is **62.9205, 66.1973, 72.0889**.

A 20% lighter version of the original color is **85.3405, 96.1162, 57.7704**, and **32.6053, 35.5814, 11.8060** is the 20% darker color. If you saturate the color by 10%, you get **60.8028, 65.8187, 22.4114**, and if you desaturate by 10%, it is **66.2191, 71.6940, 39.4999**.

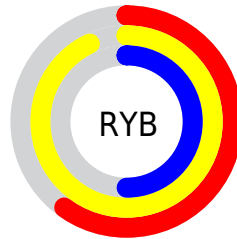
Distribution



Red (93%)

Green (85%)

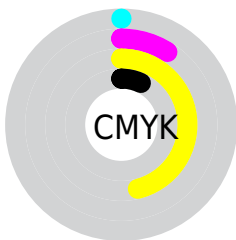
Blue (50%)



Red (60%)

Yellow (93%)

Blue (50%)

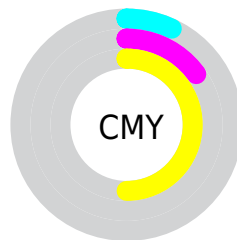


Cyan (0%)

Magenta (9%)

Yellow (46%)

Black (7%)



Cyan (7%)

Magenta (15%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3117, 68.6486, 29.9923 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 63.3117, 68.6486, 29.9923 by changing the saturation by 10% instead.

63.3117, 68.6486,
29.9923

63.3117, 68.6486,
29.9923

426.3415,
455.7906, 316.0747

46.3530, 50.4256,
19.5807

108.6984,
117.2795, 60.7109

32.7303, 35.7517,
11.9096

137.8571,
148.4562, 81.8549

22.0781, 24.2425,
6.5604

171.8131,
184.7196, 107.4136

14.0313, 15.5136,
3.1145

210.9319,
226.4541, 137.8054

8.2243, 9.1806,
1.1534

255.5788,
274.0440, 173.4489

4.2918, 4.8592,
0.0000

306.1191,

1.8685, 2.1649,

327.8738, 214.7626

0.0000

362.9183,
388.3279, 262.1650

■ 0.5584, 0.7007,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3117, 68.6486,
29.9923

■ 63.3117, 68.6486,
29.9923

■ 60.8028, 65.8187,
22.4114

■ 66.2191, 71.6940,
39.4999

■ 58.6614, 63.1840,
16.6166


■ 69.5437, 74.9552,
51.0529


■ 56.8595, 60.7353,
12.4552


■ 73.3088, 78.4444,
64.7656


■ 55.3627, 58.4584,
9.7467


■ 77.5344, 82.1700,
80.7424


 54.1278, 56.3357,
8.2652


 82.2393, 86.1400,
99.0811

 53.7235, 55.6016,
7.9006

 85.0692, 89.4129,
107.3825

 86.4407, 92.1559,
107.8397

 87.8458, 94.9661,
108.3081

 88.7350, 96.7445,
108.6045

Harmonies

Analogous

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



74.2095, 68.6486, 32.8432



63.3117, 68.6486, 29.9923



53.9974, 68.6486, 36.1888

Triad

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



63.3117, 68.6486, 29.9923



49.8353, 68.6486, 114.5275



85.8790, 68.6486, 102.1086

Complementary

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



63.3117, 68.6486, 29.9923



34.6281, 31.8052, 84.4345

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.



77.9629, 68.6486, 133.9921



63.3117, 68.6486, 29.9923



57.0394, 68.6486, 142.4307

Square

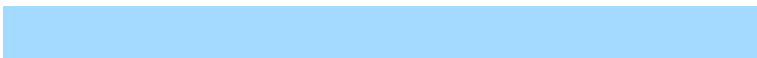
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.3117, 68.6486, 29.9923



46.7824, 68.6486, 80.4903



67.2243, 68.6486, 150.3865



88.0282, 68.6486, 69.2830

Rectangle

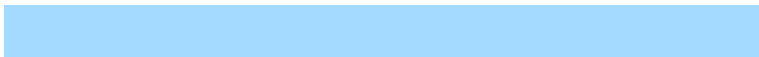
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.3117, 68.6486, 29.9923



49.6841, 68.6486, 45.9776



67.2243, 68.6486, 150.3865



83.7648, 68.6486, 113.5453

Sweetspot

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



63.3134, 68.6518, 29.9937



87.6905, 93.6398, 80.6776



47.9396, 35.3539, 32.7319



18.5476, 19.8437, 16.4407



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.



63.3134, 68.6518, 29.9937



71.8493, 77.7814, 26.6141



59.0170, 74.9380, 31.4335



16.0934, 17.1099, 15.9730



29.4233, 30.5408, 4.3442



2.3732, 2.5237, 0.3620

Inverse Universe

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



34.6281, 31.8052, 84.4345



34.0561, 29.2749, 98.4634



37.3733, 28.7676, 83.7035



14.4638, 15.0141, 19.0579



8.9336, 4.5142, 44.1434



0.7663, 0.4840, 3.4879

Previews

White Background



This preview shows how the XYZ color 63.3117, 68.6486, 29.9923 looks on a white background.

Color Contrast Check

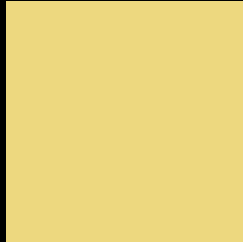
Large Text (above 18pt) WCAG AA × Fail

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 63.3117, 68.6486, 29.9923 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 63.3117, 68.6486, 29.9923

Background



This preview shows how black text looks on a background with the XYZ color 63.3117, 68.6486, 29.9923.



This preview shows how white text looks on a background with the XYZ color 63.3117, 68.6486,

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

63.3117, 68.6486, 29.9923

Protanopia

63.3117, 68.6486, 29.9923

Deuteranopia

69.1412, 68.5099, 37.5966



Tritanopia

73.2402, 68.6573, 77.7986

Trichromacy



Original Color

63.3117, 68.6486, 29.9923

Protanomaly

63.3117, 68.6486, 29.9923

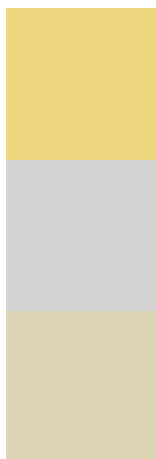
Deuteranomaly

66.7393, 68.4384, 34.5033

Tritanomaly

68.7323, 68.2435, 56.5634

Monochromacy



Original Color

63.3117, 68.6486, 29.9923

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.9535, 66.2968, 53.2473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3117, 68.6486, 29.9923 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(237, 216, 127)` looks like.

```
.text, #text, p{  
    color:rgb(237, 216, 127)  
}
```

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(237, 216, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 216, 127) }
```

Border

The CSS property to change the border of an element to XYZ 63.3117, 68.6486, 29.9923 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(237, 216, 127) }
```


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

```
.border{ border-color:rgb(237, 216, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 216, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 216, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 216, 127);  
box-shadow:4px 4px 4px 4px rgb(237, 216,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3117, 68.6486, 29.9923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 216, 127) }
```

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

```
.background{ background-color: rgb(237,  
216, 127) }
```

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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