

Converting Colors

XYZ(63.3216, 70.7320, 27.2610)

Have a look what the booklet for
XYZ(63.3216, 70.7320, 27.2610)
contains.

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Color

**XYZ(63.3283, 70.6594,
27.1305)**

Conversions

Conversions Part 1

Format	Color
Hex	EBDD75
RGB	235, 221, 117
RGB Percent	92%, 87%, 46%
CMY	0.0784, 0.1333, 0.5412
CMYK	0.00, 0.06, 0.50, 0.08
HSL	53°, 75%, 69%
HSV	53°, 50%, 92%
XYZ	63.3283, 70.6594, 27.1305
YIQ	213.3300, 41.7280, -29.3760

Conversions

Conversions Part 2

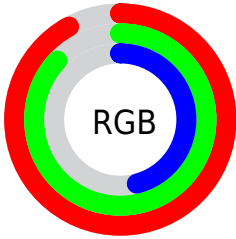
Format	Color
RYB	133, 235, 117
Decimal	15457653
CIELab	87.32, -8.64, 52.28
CIELCh	87, 52.992, 99.378
Yxy	70.6594, 0.3931, 0.4386
Android (android.graphics.Color)	4293647733 (0xFFEBDD75)
YUV	213.3300, -47.4907, 19.0046
Hunter-Lab	84.0591, -12.6256, 39.7053

Details

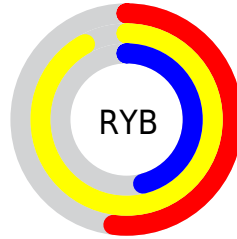
The XYZ color **63.3283, 70.6594, 27.1305** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.4477, 26.0119, 82.0131**, and the grayscale version is **63.7570, 67.0773, 73.0472**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **32.7218, 37.0012, 10.4183** is the 20% darker color. If you saturate the color by 10%, you get **61.3873, 68.7179, 20.5016**, and if you desaturate by 10%, it is **65.6317, 72.7706, 35.5928**.

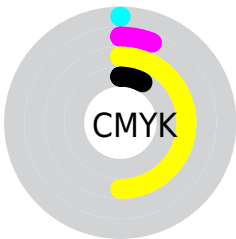
Distribution



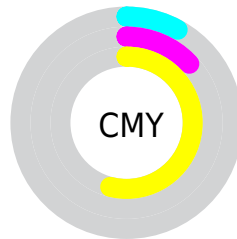
- Red (92%)
- Green (87%)
- Blue (46%)



- Red (52%)
- Yellow (92%)
- Blue (46%)



- Cyan (0%)
- Magenta (6%)
- Yellow (50%)
- Black (8%)



- Cyan (8%)
- Magenta (13%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3283, 70.6594, 27.1305 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 63.3283, 70.6594, 27.1305 by changing the saturation by 10% instead.

63.3283, 70.6594,
27.1305

63.3283, 70.6594,
27.1305

426.4007,
462.8619, 302.0686

46.3665, 52.0643,
17.4380

108.7222,
120.1486, 56.0995

32.7410, 37.0563,
10.3820

137.8849,
151.8115, 76.2130

22.0864, 25.2511,
5.5440

171.8454,
188.5992, 100.6373

14.0373, 16.2642,
2.5056

210.9689,
230.8959, 129.7908

8.2285, 9.7113,
0.8431

255.6209,
279.0861, 164.0922

4.2945, 5.2080,
0.0000

306.1666,

1.8701, 2.3698,

333.5543, 203.9599

0.0000

362.9714,
394.6848, 249.8125

■ 0.5594, 0.8103,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.3283, 70.6594,
27.1305

■ 63.3283, 70.6594,
27.1305

■ 61.3873, 68.7179,
20.5016

■ 65.6317, 72.7706,
35.5928

■ 59.7771, 66.9257,
15.5622


■ 68.3163, 75.0513,
46.0090


■ 58.4691, 65.2736,
12.1545


■ 71.4054, 77.5135,
58.4946


■ 57.4272, 63.7473,
10.0885


■ 74.9190, 80.1653,
73.1547


 56.6053, 62.3510,
9.0515

 78.8759, 83.0144,
90.0874

 82.8062, 85.8728,
106.8185

 83.6227, 87.5058,
107.0907

 84.4518, 89.1640,
107.3670

 85.2936, 90.8476,
107.6476

Harmonies

Analogous

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



75.9622, 70.6594, 28.9058



63.3283, 70.6594, 27.1305



53.0688, 70.6594, 35.1313

Triad

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



63.3283, 70.6594, 27.1305



50.2802, 70.6594, 129.2356



92.1896, 70.6594, 103.7406

Complementary

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



63.3283, 70.6594, 27.1305



30.4477, 26.0119, 82.0131

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.



83.5470, 70.6594, 143.1488



63.3283, 70.6594, 27.1305



59.0648, 70.6594, 160.7497

Square

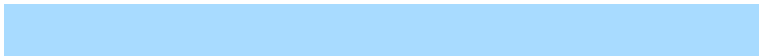
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.3283, 70.6594, 27.1305



46.1740, 70.6594, 88.6754



71.1425, 70.6594, 166.5076



93.6993, 70.6594, 66.2814

Rectangle

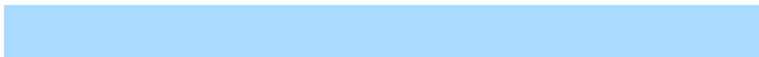
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.3283, 70.6594, 27.1305



48.5690, 70.6594, 46.9940



71.1425, 70.6594, 166.5076



89.9755, 70.6594, 117.4772

Sweetspot

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



63.3300, 70.6627, 27.1319



88.0618, 94.9166, 79.1547



44.8379, 32.0716, 25.9220



18.6594, 20.1724, 16.1539



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.



63.3300, 70.6627, 27.1319



73.8806, 82.7039, 24.6399



54.5903, 71.8728, 27.8262



16.1906, 17.3042, 16.0054



31.5657, 34.8256, 5.0583



2.5218, 2.8209, 0.4116

Inverse Universe

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



30.4477, 26.0119, 82.0131



30.2634, 23.5126, 97.5511



35.9079, 26.2227, 81.7660



14.3751, 14.8366, 19.0284



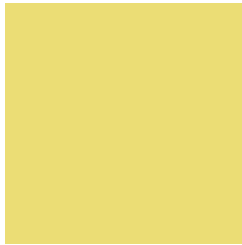
8.6225, 3.8921, 44.0398



0.7243, 0.4000, 3.4739

Previews

White Background



This preview shows how the XYZ color 63.3283, 70.6594, 27.1305 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 63.3283, 70.6594, 27.1305 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 63.3283, 70.6594, 27.1305

Background



This preview shows how black text looks on a background with the XYZ color 63.3283, 70.6594, 27.1305.

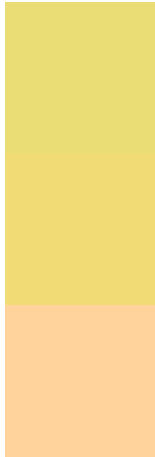


This preview shows how white text looks on a background with the XYZ color 63.3283, 70.6594,

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

63.3283, 70.6594, 27.1305

Protanopia

64.7595, 70.6248, 26.7417

Deuteranopia

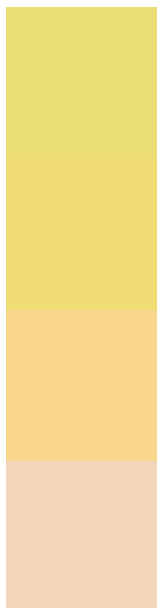
70.4507, 70.2151, 40.8501



Tritanopia

74.3971, 70.6300, 80.9460

Trichromacy



Original Color

63.3283, 70.6594, 27.1305

Protanomaly

64.3422, 70.7981, 26.7972

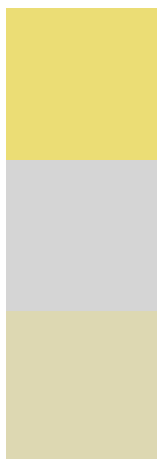
Deuteranomaly

67.8196, 70.4804, 35.2289

Tritanomaly

69.2751, 70.0109, 56.3166

Monochromacy



Original Color

63.3283, 70.6594, 27.1305

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

62.4105, 67.6982, 51.8972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3283, 70.6594, 27.1305 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(235, 221, 117)` looks like.

```
.text, #text, p{  
    color:rgb(235, 221, 117)  
}
```

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(235, 221, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 221, 117) }
```

Border

The CSS property to change the border of an element to XYZ 63.3283, 70.6594, 27.1305 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(235, 221, 117) }
```


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

```
.border{ border-color:rgb(235, 221, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 221, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 221, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 221, 117);  
box-shadow:4px 4px 4px 4px rgb(235, 221,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3283, 70.6594, 27.1305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 221, 117) }
```

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

```
.background{ background-color: rgb(235,  
221, 117) }
```

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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