

# Converting Colors

XYZ(56.5642, 60.7146, 29.8281)

Have a look what the booklet for  
XYZ(56.5642, 60.7146, 29.8281)  
contains.

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# Color

**XYZ(56.6735, 60.8050,  
29.8686)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1CC82
RGB	225, 204, 130
RGB Percent	88%, 80%, 51%
CMY	0.1176, 0.2000, 0.4902
CMYK	0.00, 0.09, 0.42, 0.12
HSL	47°, 61%, 70%
HSV	47°, 42%, 88%
XYZ	56.6735, 60.8050, 29.8686
YIQ	201.8430, 36.2700, -18.5620

# Conversions

## Conversions Part 2

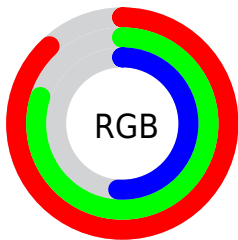
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 225, 130
Decimal	14797954
CIELab	82.27, -2.75, 39.49
CIELCh	82, 39.582, 93.989
Yxy	60.8050, 0.3846, 0.4127
Android (android.graphics.Color)	4292988034 (0xFFE1CC82)
YUV	201.8430, -35.4186, 20.3087
Hunter-Lab	77.9776, -6.7283, 31.8738

# Details

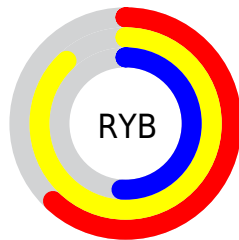
The XYZ color **56.6735, 60.8050, 29.8686** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.8629, 32.3143, 75.6867**, and the grayscale version is **56.2405, 59.1693, 64.4354**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **28.4661, 30.7020, 11.8229** is the 20% darker color. If you saturate the color by 10%, you get **54.1628, 57.9419, 22.3781**, and if you desaturate by 10%, it is **59.5552, 63.8813, 39.1133**.

# Distribution



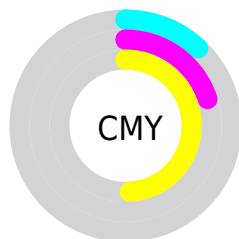
- Red (88%)
- Green (80%)
- Blue (51%)



- Red (62%)
- Yellow (88%)
- Blue (51%)



- Cyan (0%)
- Magenta (9%)
- Yellow (42%)
- Black (12%)



- Cyan (12%)
- Magenta (20%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6735, 60.8050, 29.8686 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 56.6735, 60.8050, 29.8686 by changing the saturation by 10% instead.



■ 56.6735, 60.8050,  
29.8686

■ 56.6735, 60.8050,  
29.8686

402.2587,  
427.5587, 315.4797

■ 40.9823, 44.0678,  
19.4877

■ 99.1227, 105.9965,  
60.5129

■ 28.4928, 30.7238,  
11.8428

■ 126.6115,  
135.2197, 81.6133

■ 18.8399, 20.3886,  
6.5155

■ 158.7634,  
169.3736, 107.1239

■ 11.6579, 12.6779,  
3.0872

195.9439,  
208.8427, 137.4634

■ 6.5817, 7.2071,  
1.1393

238.5183,  
254.0114, 173.0501

■ 3.2459, 3.5920,  
0.0000

286.8520,

■ 1.2851, 1.4480,

305.2640, 214.3027

0.0000

341.3104,  
362.9849, 261.6397

■ 0.1720, 0.2517,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.6735, 60.8050,  
29.8686

■ 56.6735, 60.8050,  
29.8686

■ 54.1628, 57.9419,  
22.3781

■ 59.5552, 63.8813,  
39.1133

■ 51.9965, 55.2742,  
16.5233


■ 62.8235, 67.1709,  
50.2127


■ 50.1513, 52.7942,  
12.1771


■ 66.4985, 70.6847,  
63.2642

■ 48.5990, 50.4900,  
9.1918


■ 70.5975, 74.4301,  
78.3572

 47.3054, 48.3475,  
7.3899


 75.1367, 78.4141,  
95.5757

 46.4351, 46.7750,  
6.5811

 78.4787, 81.9823,  
106.2956

 79.9130, 84.8510,  
106.7737

 81.3874, 87.7997,  
107.2652

 82.9021, 90.8291,  
107.7701

# Harmonies

## Analogous

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



65.1933, 60.8050, 32.6490



56.6735, 60.8050, 29.8686



49.2011, 60.8050, 34.7056

# Triad

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



56.6735, 60.8050, 29.8686



45.3742, 60.8050, 95.6801



73.6105, 60.8050, 88.7097

# Complementary

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



56.6735, 60.8050, 29.8686



33.8629, 32.3143, 75.6867

# 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.



67.3318, 60.8050, 112.6103



56.6735, 60.8050, 29.8686



50.9757, 60.8050, 117.2729

# Square

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



56.6735, 60.8050, 29.8686



43.0912, 60.8050, 69.4871



58.9278, 60.8050, 124.1174



75.5086, 60.8050, 63.0304



# Rectangle

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



56.6735, 60.8050, 29.8686



45.6537, 60.8050, 42.5020



58.9278, 60.8050, 124.1174



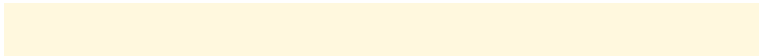
71.9141, 60.8050, 97.4041

# Sweetspot

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



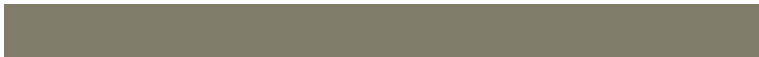
56.6750, 60.8078, 29.8698



87.8720, 93.4604, 82.4102



44.7156, 34.2459, 34.0315



18.5681, 19.7780, 16.7764



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.



56.6750, 60.8078, 29.8698



72.2054, 77.2733, 30.4949



54.6853, 67.6958, 31.3042



14.6014, 15.4887, 14.5268



26.8482, 27.1343, 3.8224



1.9252, 2.0092, 0.2863



# Inverse Universe

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



33.8629, 32.3143, 75.6867



38.0047, 34.5854, 99.2803



35.1555, 28.4038, 74.8637



13.1965, 13.7320, 17.3427



8.5533, 4.5761, 41.4808

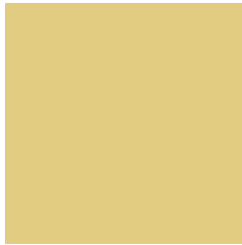


0.6592, 0.4498, 2.8973



# Previews

## White Background



This preview shows how the XYZ color 56.6735, 60.8050, 29.8686 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

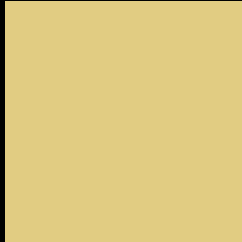
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6735, 60.8050, 29.8686 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 56.6735, 60.8050, 29.8686**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.6735, 60.8050, 29.8686.



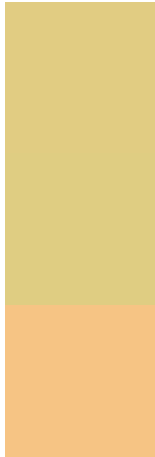
This preview shows how white text looks on a background with the XYZ color 56.6735, 60.8050,

29.8686.

# 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

56.6735, 60.8050, 29.8686

### Protanopia

56.2920, 60.9623, 29.9191

### Deuteranopia

61.9108, 60.7386, 30.2905



## Tritanopia

64.4047, 60.5107, 68.6068

# Trichromacy



## Original Color

56.6735, 60.8050, 29.8686

## Protanomaly

56.6011, 61.1216, 29.9336

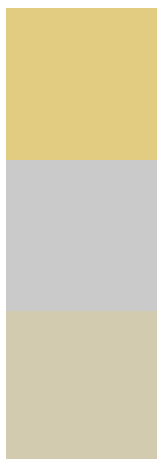
## Deuteranomaly

59.7801, 60.6627, 30.0310

## Tritanomaly

61.0654, 60.5064, 51.6404

# Monochromacy



## Original Color

56.6735, 60.8050, 29.8686

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

55.7708, 59.5481, 49.6288

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6735, 60.8050, 29.8686 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, 204, 130)` looks like.

```
.text, #text, p{  
    color:rgb(225, 204, 130)  
}
```

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, 204, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 204, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6735, 60.8050, 29.8686 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, 204, 130) }
```



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

```
.border{ border-color:rgb(225, 204, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 204, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 204, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 204, 130);  
box-shadow:4px 4px 4px 4px rgb(225, 204,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6735, 60.8050, 29.8686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 204, 130) }
```

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

```
.background{ background-color: rgb(225,  
204, 130) }
```

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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