

# Converting Colors

XYZ(60.5112, 66.0070, 36.8189)

Have a look what the booklet for  
XYZ(60.5112, 66.0070, 36.8189)  
contains.

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# Color

**XYZ(60.3466, 65.8326,  
36.7205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D592
RGB	226, 213, 146
RGB Percent	89%, 84%, 57%
CMY	0.1137, 0.1647, 0.4274
CMYK	0.00, 0.06, 0.35, 0.11
HSL	50°, 58%, 73%
HSV	50°, 35%, 89%
XYZ	60.3466, 65.8326, 36.7205
YIQ	209.2490, 29.2550, -18.0810

# Conversions

## Conversions Part 2

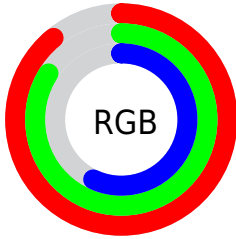
Format	Color
R <sub>Y</sub> B	162, 226, 146
Decimal	14865810
CIE Lab	84.91, -5.22, 34.77
CIE LCh	85, 35.161, 98.536
Yxy	65.8326, 0.3705, 0.4041
Android (android.graphics.Color)	4293055890 (0xFFE2D592)
YUV	209.2490, -31.1818, 14.6906
Hunter-Lab	81.1373, -9.2293, 29.9631

# Details

The XYZ color **60.3466, 65.8326, 36.7205** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.9794, 36.3972, 76.9752**, and the grayscale version is **60.9522, 64.1265, 69.8338**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **31.0413, 34.1685, 15.7856** is the 20% darker color. If you saturate the color by 10%, you get **57.8472, 63.3744, 28.0548**, and if you desaturate by 10%, it is **63.2178, 68.4777, 47.2262**.

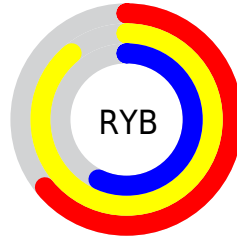
# Distribution



Red (89%)

Green (84%)

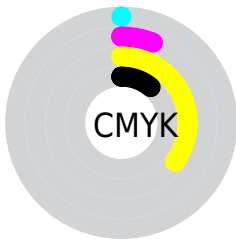
Blue (57%)



Red (64%)

Yellow (89%)

Blue (57%)

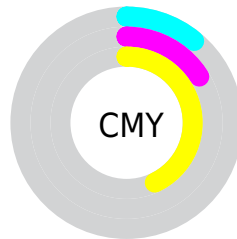


Cyan (0%)

Magenta (6%)

Yellow (35%)

Black (11%)



Cyan (11%)

Magenta (16%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.3466, 65.8326, 36.7205 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 60.3466, 65.8326, 36.7205 by changing the saturation by 10% instead.



60.3466, 65.8326,  
36.7205

60.3466, 65.8326,  
36.7205

415.6884,  
445.7780, 347.2310

43.9486, 48.1365,  
24.6971

104.4358,  
113.2460, 71.3242

30.8278, 33.9350,  
15.6345

132.8577,  
143.7322, 94.7416

20.6190, 22.8437,  
9.1144

166.0182,  
179.2505, 122.7940

12.9566, 14.4781,  
4.7180

204.2828,  
220.1853, 155.9001

7.4755, 8.4540,  
2.0270

248.0167,  
266.9211, 194.4782

3.8102, 4.3868,  
0.5718

297.5854,

1.5953, 1.8922,

319.8422, 238.9471

0.0000

353.3542,  
379.3330, 289.7252

■ 0.3893, 0.5437,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.3466, 65.8326,  
36.7205

■ 60.3466, 65.8326,  
36.7205

■ 57.8472, 63.3744,  
28.0548

■ 63.2178, 68.4777,  
47.2262

■ 55.6938, 61.0855,  
21.1165

■ 66.4749, 71.3084,  
59.6673

■ 53.8653, 58.9595,  
15.7871

■ 70.1371, 74.3351,  
74.1374

■ 52.3359, 56.9860,  
11.9316

■ 74.2210, 77.5645,  
90.7232

■ 51.0756, 55.1526,  
9.3926

■ 78.0910, 80.7427,  
106.0768

■ 50.0475, 53.4445,  
7.9768

■ 79.1314, 82.8235,  
106.4236

■ 49.6242, 52.6891,  
7.5545

■ 80.1935, 84.9477,  
106.7776

■ 81.2774, 87.1156,  
107.1389

■ 82.3833, 89.3273,  
107.5076

# Harmonies

## Analogous

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



68.2904, 65.8326, 38.3660



60.3466, 65.8326, 36.7205



53.5864, 65.8326, 42.7771

# Triad

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



60.3466, 65.8326, 36.7205



51.4369, 65.8326, 102.3069



77.7829, 65.8326, 88.7879

# Complementary

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



60.3466, 65.8326, 36.7205



37.9794, 36.3972, 76.9752

# 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.



72.5096, 65.8326, 111.3315



60.3466, 65.8326, 36.7205



57.1819, 65.8326, 120.2082

# Square

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



60.3466, 65.8326, 36.7205



48.7333, 65.8326, 78.3261



64.8513, 65.8326, 123.8188



78.8098, 65.8326, 65.4218



# Rectangle

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



60.3466, 65.8326, 36.7205



50.5006, 65.8326, 51.3053



64.8513, 65.8326, 123.8188



76.4281, 65.8326, 96.8414

# Sweetspot

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



60.3482, 65.8356, 36.7219



89.4219, 95.4507, 86.3476



47.9304, 39.2421, 38.0018



19.0015, 20.3151, 17.9370



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.



60.3482, 65.8356, 36.7219



77.0366, 84.3135, 40.1894



56.0268, 68.6560, 37.4940



14.6723, 15.6306, 14.5505



28.3846, 30.2070, 4.3345



2.0188, 2.1964, 0.3175



# Inverse Universe

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



37.9794, 36.3972, 76.9752



43.7533, 40.5239, 100.1236



41.1670, 34.8959, 76.5174



13.1310, 13.6011, 17.3209



8.2607, 3.9909, 41.3833



0.6283, 0.3880, 2.8870



# Previews

## White Background



This preview shows how the XYZ color 60.3466, 65.8326, 36.7205 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 60.3466, 65.8326, 36.7205 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

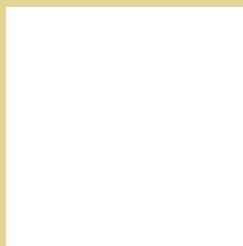
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.3466, 65.8326, 36.7205**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.3466, 65.8326, 36.7205.



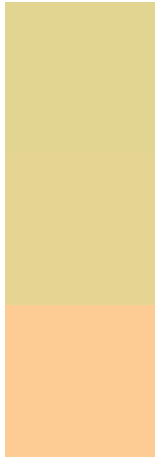
This preview shows how white text looks on a background with the XYZ color 60.3466, 65.8326,



# 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

60.3466, 65.8326, 36.7205

### Protanopia

61.0449, 65.8203, 36.6813

### Deuteranopia

67.2092, 65.7326, 37.1623



## Tritanopia

68.4428, 65.8455, 76.8123

# Trichromacy



## Original Color

60.3466, 65.8326, 36.7205

## Protanomaly

60.7267, 65.6563, 36.6664

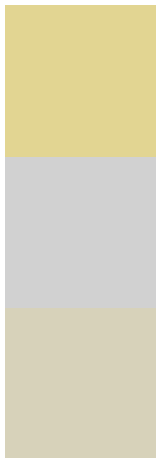
## Deuteranomaly

64.5414, 65.7869, 36.9002

## Tritanomaly

64.8935, 65.4648, 59.6678

# Monochromacy



## Original Color

60.3466, 65.8326, 36.7205

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

59.9339, 64.0854, 55.6652

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.3466, 65.8326, 36.7205 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, 213, 146)` looks like.

```
.text, #text, p{  
    color:rgb(226, 213, 146)  
}
```

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, 213, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 213, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 60.3466, 65.8326, 36.7205 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, 213, 146) }
```



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

```
.border{ border-color:rgb(226, 213, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 213, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 213, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 213, 146);  
box-shadow:4px 4px 4px 4px rgb(226, 213,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.3466, 65.8326, 36.7205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 213, 146) }
```

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

```
.background{ background-color: rgb(226,  
213, 146) }
```

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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