

# Converting Colors

XYZ(60.1733, 66.0861, 36.2354)

Have a look what the booklet for  
XYZ(60.1733, 66.0861, 36.2354)  
contains.

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# Color

**XYZ(60.2087, 66.1450,  
36.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1D691
RGB	225, 214, 145
RGB Percent	88%, 84%, 57%
CMY	0.1176, 0.1608, 0.4314
CMYK	0.00, 0.05, 0.36, 0.12
HSL	52°, 57%, 73%
HSV	52°, 36%, 88%
XYZ	60.2087, 66.1450, 36.3820
YIQ	209.4230, 28.7050, -19.1270

# Conversions

## Conversions Part 2

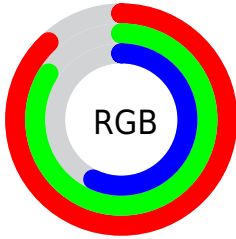
Format	Color
<b>R<sub>YB</sub></b>	158, 225, 145
Decimal	14800529
CIE Lab	85.07, -6.23, 35.48
CIE LCh	85, 36.019, 99.965
Yxy	66.1450, 0.3700, 0.4065
Android (android.graphics.Color)	4292990609 (0xFFE1D691)
YUV	209.4230, -31.7605, 13.6610
Hunter-Lab	81.3296, -10.1823, 30.4079

# Details

The XYZ color **60.2087, 66.1450, 36.3820** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.1559, 35.2319, 76.0762**, and the grayscale version is **61.0700, 64.2504, 69.9687**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **30.7807, 34.0394, 15.5376** is the 20% darker color. If you saturate the color by 10%, you get **57.8682, 63.9708, 27.8735**, and if you desaturate by 10%, it is **62.9110, 68.4924, 46.7077**.

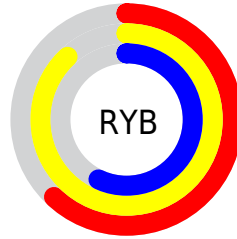
# Distribution



Red (88%)

Green (84%)

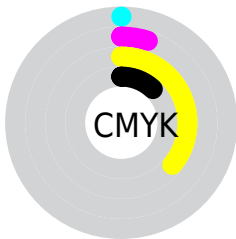
Blue (57%)



Red (62%)

Yellow (88%)

Blue (57%)

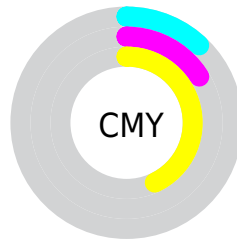


Cyan (0%)

Magenta (5%)

Yellow (36%)

Black (12%)



Cyan (12%)

Magenta (16%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2087, 66.1450, 36.3820 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 60.2087, 66.1450, 36.3820 by changing the saturation by 10% instead.



60.2087, 66.1450,  
36.3820

60.2087, 66.1450,  
36.3820

415.1890,  
446.8953, 345.7149

43.8370, 48.3901,  
24.4373

104.2370,  
113.6944, 70.7969

30.7397, 34.1359,  
15.4432

132.6242,  
144.2578, 94.1043

20.5516, 22.9980,  
8.9809

165.7474,  
179.8594, 122.0363

12.9072, 14.5921,  
4.6321

203.9718,  
220.8836, 155.0115

7.4412, 8.5336,  
1.9781

247.6628,  
267.7150, 193.4484

3.7883, 4.4382,  
0.5418

297.1858,

1.5831, 1.9216,

320.7377, 237.7656

0.0000

352.9061,  
380.3364, 288.3816

■ 0.3814, 0.5613,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.2087, 66.1450,  
36.3820

■ 60.2087, 66.1450,  
36.3820

■ 57.8682, 63.9708,  
27.8735

■ 62.9110, 68.4924,  
46.7077

■ 55.8640, 61.9524,  
21.0708

■ 65.9890, 71.0116,  
58.9451

■ 54.1753, 60.0837,  
15.8565

■ 69.4616, 73.7127,  
73.1870

■ 52.7764, 58.3544,  
12.0966

■ 73.3453, 76.6024,  
89.5189

■ 51.6378, 56.7523,  
9.6353

■ 77.2499, 79.5248,  
105.8861

■ 50.7228, 55.2629,  
8.2806

■ 78.1155, 81.2559,  
106.1746

■ 50.3605, 54.6259,  
7.8896

■ 78.9964, 83.0177,  
106.4682

■ 79.8927, 84.8103,  
106.7670

■ 80.8045, 86.6339,  
107.0709

# Harmonies

## Analogous

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



68.3638, 66.1450, 37.6840



60.2087, 66.1450, 36.3820



53.3751, 66.1450, 42.9284

# Triad

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



60.2087, 66.1450, 36.3820



51.6586, 66.1450, 104.6835



78.6864, 66.1450, 88.4293

# Complementary

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



60.2087, 66.1450, 36.3820



37.1559, 35.2319, 76.0762

# 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.



73.4264, 66.1450, 111.9577



60.2087, 66.1450, 36.3820



57.6765, 66.1450, 122.6524

# Square

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



60.2087, 66.1450, 36.3820



48.7271, 66.1450, 80.0289



65.6062, 66.1450, 125.5683



79.5119, 66.1450, 64.5653



# Rectangle

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



60.2087, 66.1450, 36.3820



50.3122, 66.1450, 51.9005



65.6062, 66.1450, 125.5683



77.3580, 66.1450, 96.7659

# Sweetspot

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



60.2104, 66.1480, 36.3834



89.6407, 95.8883, 86.4206



47.2630, 38.6934, 36.8767



19.0539, 20.4201, 17.9545



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.



60.2104, 66.1480, 36.3834



77.5176, 85.5946, 39.3656



55.0623, 67.7652, 36.9669



14.7027, 15.6915, 14.5606



29.0840, 31.6059, 4.5677



2.0608, 2.2806, 0.3316



# Inverse Universe

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



37.1559, 35.2319, 76.0762



42.4324, 38.5588, 99.8139



40.9502, 34.5721, 75.7489



13.1032, 13.5455, 17.3116



8.1619, 3.7934, 41.3504

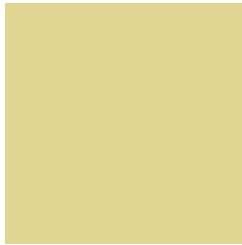


0.6151, 0.3617, 2.8826



# Previews

## White Background



This preview shows how the XYZ color 60.2087, 66.1450, 36.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

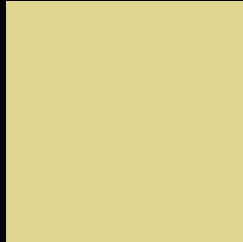
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.2087, 66.1450, 36.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

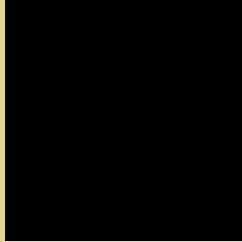
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.2087, 66.1450, 36.3820

## Background



This preview shows how black text looks on a background with the XYZ color 60.2087, 66.1450, 36.3820.



This preview shows how white text looks on a background with the XYZ color 60.2087, 66.1450,



# 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

60.2087, 66.1450, 36.3820

### Protanopia

61.2107, 65.9236, 35.8839

### Deuteranopia

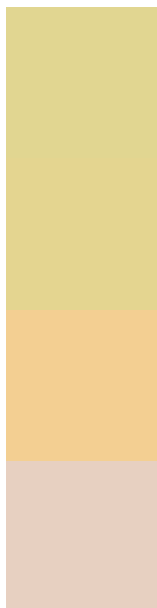
67.1304, 65.7011, 36.7472



## Tritanopia

68.4428, 65.8455, 76.8123

# Trichromacy



## Original Color

60.2087, 66.1450, 36.3820

## Protanomaly

60.8232, 66.0961, 35.9377

## Deuteranomaly

64.4633, 65.7557, 36.4887

## Tritanomaly

65.1365, 65.9509, 59.7488

# Monochromacy



## Original Color

60.2087, 66.1450, 36.3820

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

60.1815, 64.5808, 55.7478

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2087, 66.1450, 36.3820 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, 214, 145)` looks like.

```
.text, #text, p{  
    color:rgb(225, 214, 145)  
}
```

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, 214, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 214, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2087, 66.1450, 36.3820 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, 214, 145) }
```



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

```
.border{ border-color:rgb(225, 214, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 214, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 214, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 214, 145); box-shadow:4px 4px 4px 4px rgb(225, 214, 145) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2087, 66.1450, 36.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 214, 145) }
```

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

```
.background{ background-color: rgb(225,  
214, 145) }
```

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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