

# Converting Colors

XYZ(61.6022, 68.0009, 36.6668)

Have a look what the booklet for  
XYZ(61.6022, 68.0009, 36.6668)  
contains.

<b>XYZ(61.6022, 68.0009, 36.6668)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(61.6022, 68.0009,  
36.6668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3D991
RGB	227, 217, 145
RGB Percent	89%, 85%, 57%
CMY	0.1098, 0.1490, 0.4314
CMYK	0.00, 0.04, 0.36, 0.11
HSL	53°, 59%, 73%
HSV	53°, 36%, 89%
XYZ	61.6022, 68.0009, 36.6668
YIQ	211.7820, 29.0720, -20.2720

# Conversions

## Conversions Part 2

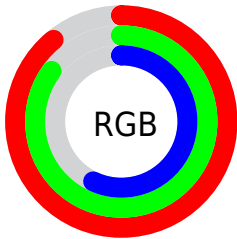
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 227, 145
Decimal	14932369
CIE <sub>Lab</sub>	86.01, -6.98, 36.73
CIE <sub>LCh</sub>	86, 37.387, 100.764
Yxy	68.0009, 0.3705, 0.4090
Android (android.graphics.Color)	4293122449 (0xFFE3D991)
YUV	211.7820, -32.9235, 13.3462
Hunter-Lab	82.4627, -10.9645, 31.3607

# Details

The XYZ color **61.6022, 68.0009, 36.6668** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.2633, 35.0075, 77.4661**, and the grayscale version is **62.6341, 65.8960, 71.7607**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **31.4737, 35.1770, 15.4869** is the 20% darker color. If you saturate the color by 10%, you get **59.3173, 65.9578, 28.1155**, and if you desaturate by 10%, it is **64.2522, 70.2140, 47.0668**.

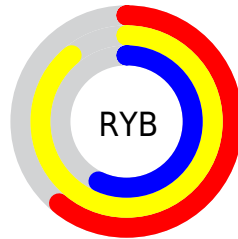
# Distribution



Red (89%)

Green (85%)

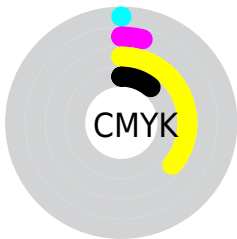
Blue (57%)



Red (61%)

Yellow (89%)

Blue (57%)

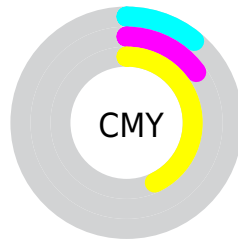


Cyan (0%)

Magenta (4%)

Yellow (36%)

Black (11%)



Cyan (11%)

Magenta (15%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6022, 68.0009, 36.6668 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 61.6022, 68.0009, 36.6668 by changing the saturation by 10% instead.





 61.6022, 68.0009,  
36.6668

 61.6022, 68.0009,  
36.6668


420.2193,  
453.4992, 346.9908

 44.9657, 49.8985,  
24.6559


 106.2436,  
116.3534, 71.2406

 31.6316, 35.3327,  
15.6042


 134.9792,  
147.3723, 94.6406

 21.2344, 23.9193,  
9.0932


168.4786,  
183.4655, 122.6739

 13.4089, 15.2738,  
4.7044

207.1071,  
225.0173, 155.7592

 7.7897, 9.0117,  
2.0192

251.2300,  
272.4122, 194.3150

 4.0113, 4.7488,  
0.5670

301.2128,

 1.7085, 2.1007,

326.0346, 238.7599

0.0000

357.4208,  
386.2688, 289.5123

0.4616, 0.6650,  
0.0000

0.0000, 0.0000,  
0.0000

61.6022, 68.0009,  
36.6668

61.6022, 68.0009,  
36.6668

59.3173, 65.9578,  
28.1155

64.2522, 70.2140,  
47.0668

57.3714, 64.0669,  
21.2983


67.2816, 72.5957,  
59.4123


55.7429, 62.3219,  
16.0945


70.7098, 75.1562,  
73.7987


54.4057, 60.7123,  
12.3662


74.5535, 77.9024,  
90.3136


 53.3291, 59.2257,  
9.9523


 78.2595, 80.6129,  
106.0429


 52.4751, 57.8468,  
8.6526

 79.0394, 82.1725,  
106.3028

 52.1786, 57.3310,  
8.3159

 79.8315, 83.7568,  
106.5668

 80.6359, 85.3657,  
106.8350

 81.4528, 86.9994,  
107.1073

# Harmonies

## Analogous

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



70.2183, 68.0009, 37.8085



61.6022, 68.0009, 36.6668



54.4541, 68.0009, 43.7270

# Triad

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



61.6022, 68.0009, 36.6668



52.9322, 68.0009, 109.3499



81.4829, 68.0009, 90.7130

# Complementary

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



61.6022, 68.0009, 36.6668



37.2633, 35.0075, 77.4661

# 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.



76.0069, 68.0009, 115.8722



61.6022, 68.0009, 36.6668



59.3517, 68.0009, 128.1705

# Square

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



61.6022, 68.0009, 36.6668



49.7509, 68.0009, 83.2149



67.7612, 68.0009, 130.7910



82.2208, 68.0009, 65.5681



# Rectangle

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



61.6022, 68.0009, 36.6668



51.2868, 68.0009, 53.2911



67.7612, 68.0009, 130.7910



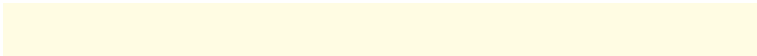
80.1139, 68.0009, 99.5806

# Sweetspot

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



61.6039, 68.0040, 36.6682



89.7773, 96.1613, 86.4661



47.7996, 38.9805, 36.4285



19.0867, 20.4856, 17.9654



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.



61.6039, 68.0040, 36.6682



78.0216, 86.6027, 39.5336



55.5888, 68.8439, 37.1474



15.4438, 16.5015, 15.2756



30.4887, 33.5516, 4.8692



2.2954, 2.5641, 0.3739



# Inverse Universe

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



37.2633, 35.0075, 77.4661



42.1379, 37.9697, 99.7157



41.6854, 34.9194, 77.2160



13.7237, 14.1687, 18.1558



8.3685, 3.7990, 42.6754



0.6650, 0.3740, 3.1691



# Previews

## White Background



This preview shows how the XYZ color 61.6022, 68.0009, 36.6668 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

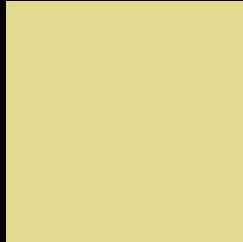
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6022, 68.0009, 36.6668 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

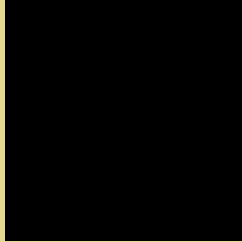
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 61.6022, 68.0009, 36.6668

## Background



This preview shows how black text looks on a background with the XYZ color 61.6022, 68.0009, 36.6668.



This preview shows how white text looks on a background with the XYZ color 61.6022, 68.0009,

36.6668.

# 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

61.6022, 68.0009, 36.6668

### Protanopia

62.9388, 67.9381, 36.1817

### Deuteranopia

68.9788, 67.6696, 39.1317



## Tritanopia

70.2242, 67.7862, 79.1949

# Trichromacy



## Original Color

61.6022, 68.0009, 36.6668

## Protanomaly

62.5449, 68.1143, 36.2365

## Deuteranomaly

66.1276, 67.6756, 38.0112

## Tritanomaly

66.7489, 67.8523, 61.2085

# Monochromacy



## Original Color

61.6022, 68.0009, 36.6668

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.7389, 66.4757, 57.1541

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6022, 68.0009, 36.6668 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(227, 217, 145)` looks like.

```
.text, #text, p{  
    color:rgb(227, 217, 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(227, 217, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 217, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6022, 68.0009, 36.6668 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(227, 217, 145) }
```



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

```
.border{ border-color:rgb(227, 217, 145) }
```

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

Here you see how a box with a 4 pixel rgb(227, 217, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 217, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 217, 145);  
box-shadow:4px 4px 4px 4px rgb(227, 217,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6022, 68.0009, 36.6668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 217, 145) }
```

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

```
.background{ background-color: rgb(227,  
217, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor