

# Converting Colors

XYZ(59.6882, 66.9505, 16.6741)

Have a look what the booklet for  
XYZ(59.6882, 66.9505, 16.6741)  
contains.

<b>XYZ(59.7921, 67.1260, 16.6427)</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(59.7921, 67.1260,  
16.6427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAD84C
RGB	234, 216, 76
RGB Percent	92%, 85%, 30%
CMY	0.0824, 0.1529, 0.7019
CMYK	0.00, 0.08, 0.68, 0.08
HSL	53°, 79%, 61%
HSV	53°, 68%, 92%
XYZ	59.7921, 67.1260, 16.6427
YIQ	205.4220, 55.6680, -39.7240

# Conversions

## Conversions Part 2

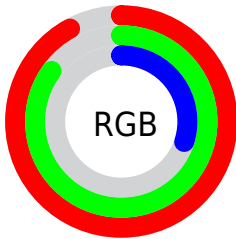
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	96, 234, 76
Decimal	15390796
CIE Lab	85.57, -9.37, 68.18
CIE LCh	86, 68.823, 97.824
Yxy	67.1260, 0.4165, 0.4676
Android (android.graphics.Color)	4293580876 (0xFFEAD84C)
YUV	205.4220, -63.8050, 25.0629
Hunter-Lab	81.9305, -13.1106, 45.3076

# Details

The XYZ color **59.7921, 67.1260, 16.6427** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **21.8345, 15.4822, 79.6790**, and the grayscale version is **58.6681, 61.7234, 67.2168**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **30.6160, 34.9612, 5.2207** is the 20% darker color. If you saturate the color by 10%, you get **58.4453, 65.5062, 12.8842**, and if you desaturate by 10%, it is **61.4488, 68.8926, 21.9649**.

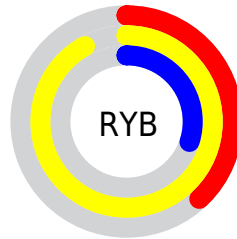
# Distribution



Red (92%)

Green (85%)

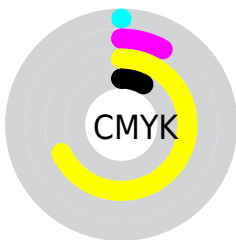
Blue (30%)



Red (38%)

Yellow (92%)

Blue (30%)

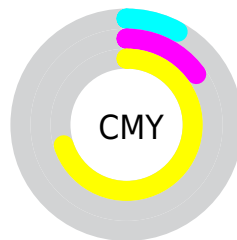


Cyan (0%)

Magenta (8%)

Yellow (68%)

Black (8%)



Cyan (8%)

Magenta (15%)

Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7921, 67.1260, 16.6427 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 59.7921, 67.1260, 16.6427 by changing the saturation by 10% instead.



■ 59.7921, 67.1260,  
16.6427

■ 59.7921, 67.1260,  
16.6427

413.6781,  
450.3931, 245.0787

■ 43.4999, 49.1870,  
9.8208

■ 103.6361,  
115.1009, 38.4926

■ 30.4738, 34.7679,  
5.1763

■ 131.9186,  
145.9057, 54.3577

■ 20.3483, 23.4841,  
2.2905

■ 164.9286,  
181.7678, 74.0743

■ 12.7582, 14.9514,  
0.7259

■ 203.0314,  
223.0718, 98.0610

■ 7.3381, 8.7853,  
0.0000

■ 246.5924,  
270.2019, 126.7362

■ 3.7226, 4.6014,  
0.0000

295.9769,

■ 1.5465, 2.0153,

323.5425, 160.5185

0.0000

351.5504,  
383.4782, 199.8265

■ 0.3571, 0.6164,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.7921, 67.1260,  
16.6427

■ 59.7921, 67.1260,  
16.6427

■ 58.4453, 65.5062,  
12.8842

■ 61.4488, 68.8926,  
21.9649

■ 57.3698, 64.0100,  
10.5072

■ 63.4397, 70.8081,  
28.9984

■ 56.5220, 62.6225,  
9.2750

■ 65.7916, 72.8859,  
37.8783

■ 56.3294, 62.2881,  
9.0539

■ 68.5276, 75.1352,  
48.7250

■ 71.6685, 77.5646,  
61.6487

■ 75.2339, 80.1819,  
76.7514

■ 79.2418, 82.9944,  
94.1286

■ 82.3600, 85.4693,  
106.7641

■ 83.1387, 87.0268,  
107.0237

# Harmonies

## Analogous

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



75.8458, 67.1260, 18.8081



59.7921, 67.1260, 16.6427



47.0709, 67.1260, 23.9647

# Triad

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



59.7921, 67.1260, 16.6427



42.8629, 67.1260, 139.6936



95.9181, 67.1260, 110.6788

# Complementary

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



59.7921, 67.1260, 16.6427



21.8345, 15.4822, 79.6790

# 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.



84.0894, 67.1260, 164.4750



59.7921, 67.1260, 16.6427



53.1045, 67.1260, 185.4540

# Square

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



59.7921, 67.1260, 16.6427



38.3934, 67.1260, 85.4588



67.9857, 67.1260, 196.0143



98.4942, 67.1260, 61.9741



# Rectangle

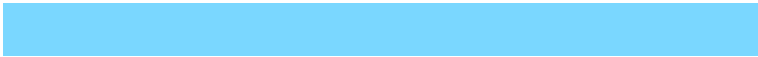
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.7921, 67.1260, 16.6427



41.5715, 67.1260, 36.1335



67.9857, 67.1260, 196.0143



92.8087, 67.1260, 129.2521

# Sweetspot

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



59.7937, 67.1292, 16.6441



86.0741, 93.4897, 70.6355



38.5563, 23.4779, 13.1924



18.1896, 19.8308, 14.1539



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.



59.7937, 67.1292, 16.6441



70.4925, 78.8965, 14.3584



48.0572, 68.3011, 17.4888



16.1970, 17.3169, 16.0075



31.7135, 35.1212, 5.1076



2.5319, 2.8412, 0.4150



# Inverse Universe

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



21.8345, 15.4822, 79.6790



21.6059, 12.4906, 95.8799



27.6820, 16.3920, 79.5465



14.3693, 14.8251, 19.0264



8.6068, 3.8607, 44.0345



0.7215, 0.3945, 3.4730



# Previews

## White Background



This preview shows how the XYZ color 59.7921, 67.1260, 16.6427 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 59.7921, 67.1260, 16.6427 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 59.7921, 67.1260, 16.6427**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.7921, 67.1260, 16.6427.



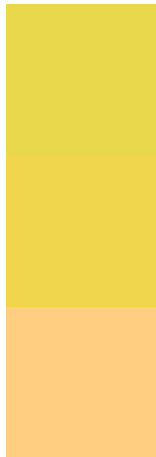
This preview shows how white text looks on a background with the XYZ color 59.7921, 67.1260,



# 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

59.7921, 67.1260, 16.6427

### Protanopia

60.9477, 66.9657, 16.5509

### Deuteranopia

67.2738, 66.9876, 30.1531



## Tritanopia

71.7815, 66.8958, 75.4586

# Trichromacy



## Original Color

59.7921, 67.1260, 16.6427

## Protanomaly

60.5300, 67.1272, 16.6041

## Deuteranomaly

64.2188, 66.9931, 24.2981

## Tritanomaly

65.8137, 66.2561, 45.3963

# Monochromacy



## Original Color

59.7921, 67.1260, 16.6427

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.2909, 62.6685, 41.4244

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7921, 67.1260, 16.6427 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(234, 216, 76)` looks like.

```
.text, #text, p{  
    color:rgb(234, 216, 76)  
}
```

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(234, 216, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 216, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7921, 67.1260, 16.6427 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(234, 216, 76) }
```



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

```
.border{ border-color:rgb(234, 216, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 216, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 216, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 216, 76);  
box-shadow:4px 4px 4px 4px rgb(234, 216,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7921, 67.1260, 16.6427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 216, 76) }
```

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

```
.background{ background-color: rgb(234,  
216, 76) }
```

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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