

# Converting Colors

XYZ(62.1653, 67.2215, 26.9334)

Have a look what the booklet for  
XYZ(62.1653, 67.2215, 26.9334)  
contains.

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# Color

**XYZ(62.2416, 67.4057,  
26.8696)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD676
RGB	237, 214, 118
RGB Percent	93%, 84%, 46%
CMY	0.0706, 0.1608, 0.5372
CMYK	0.00, 0.10, 0.50, 0.07
HSL	48°, 77%, 70%
HSV	48°, 50%, 93%
XYZ	62.2416, 67.4057, 26.8696
YIQ	209.9330, 44.5240, -24.9800

# Conversions

## Conversions Part 2

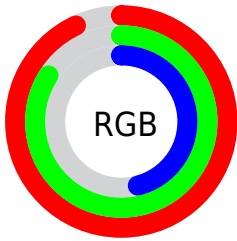
Format	Color
<a href="#">RYB</a>	<a href="#">147, 237, 118</a>
Decimal	<a href="#">15586934</a>
CIELab	<a href="#">85.71, -4.20, 49.91</a>
CIElCh	<a href="#">86, 50.088, 94.815</a>
Yxy	<a href="#">67.4057, 0.3977, 0.4307</a>
Android (android.graphics.Color)	<a href="#">4293777014 (0xFFEDD676)</a>
YUV	<a href="#">209.9330, -45.3230, 23.7378</a>
Hunter-Lab	<a href="#">82.1010, -8.3540, 38.0665</a>

# Details

The XYZ color **62.2416, 67.4057, 26.8696** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.2818, 29.0146, 84.0193**, and the grayscale version is **61.4837, 64.6856, 70.4427**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **32.1446, 35.1187, 10.2386** is the 20% darker color. If you saturate the color by 10%, you get **59.8642, 64.6288, 19.9804**, and if you desaturate by 10%, it is **65.0086, 70.3957, 35.6356**.

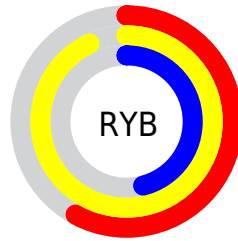
# Distribution



Red (93%)

Green (84%)

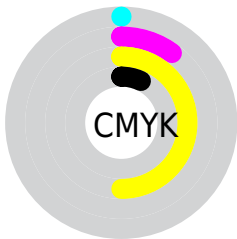
Blue (46%)



Red (58%)

Yellow (93%)

Blue (46%)

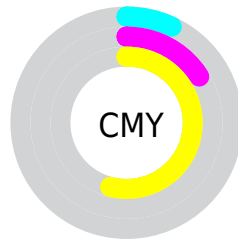


Cyan (0%)

Magenta (10%)

Yellow (50%)

Black (7%)



Cyan (7%)

Magenta (16%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2416, 67.4057, 26.8696 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 62.2416, 67.4057, 26.8696 by changing the saturation by 10% instead.



62.2416, 67.4057,  
26.8696

62.2416, 67.4057,  
26.8696

422.5154,  
451.3875, 300.7654

45.4843, 49.4144,  
17.2437

107.1626,  
115.5015, 55.6757

32.0420, 34.9483,  
10.2446

136.0570,  
146.3749, 75.6931

21.5492, 23.6231,  
5.4537

169.7278,  
182.3110, 100.0114

13.6408, 15.0542,  
2.4525

208.5404,  
223.6943, 129.0491

7.9513, 8.8575,  
0.8148

252.8601,  
270.9093, 163.2248

4.1153, 4.6483,  
0.0000

303.0522,

1.7676, 2.0424,

324.3402, 202.9571

0.0000

359.4822,  
384.3714, 248.6644

■ 0.4980, 0.6320,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.2416, 67.4057,  
26.8696

■ 62.2416, 67.4057,  
26.8696

■ 59.8642, 64.6288,  
19.9804

■ 65.0086, 70.3957,  
35.6356

■ 57.8444, 62.0440,  
14.8216


■ 68.1849, 73.5994,  
46.4020


■ 56.1524, 59.6417,  
11.2315


■ 71.7945, 77.0294,  
59.2866


■ 54.7514, 57.4067,  
9.0162


■ 75.8579, 80.6943,  
74.3967


 53.6005, 55.3557,  
7.8597

 80.3945, 84.6023,  
91.8327

 84.5733, 88.4213,  
107.2173

 85.9496, 91.1738,  
107.6760

 87.3602, 93.9951,  
108.1462

 88.7349, 96.7444,  
108.6045

# Harmonies

## Analogous

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



73.8736, 67.4057, 29.9247



62.2416, 67.4057, 26.8696



52.3299, 67.4057, 32.9219

# Triad

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



62.2416, 67.4057, 26.8696



47.6766, 67.4057, 115.4724



86.0644, 67.4057, 103.5410

# Complementary

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



62.2416, 67.4057, 26.8696



32.2818, 29.0146, 84.0193

# 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.



77.4398, 67.4057, 138.0811



62.2416, 67.4057, 26.8696



55.1693, 67.4057, 146.2828

# Square

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



62.2416, 67.4057, 26.8696



44.5818, 67.4057, 78.7994



65.9279, 67.4057, 155.5908



88.5349, 67.4057, 68.2403



# Rectangle

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



62.2416, 67.4057, 26.8696



47.7435, 67.4057, 42.7917



65.9279, 67.4057, 155.5908



83.7424, 67.4057, 115.9239

# Sweetspot

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



62.2432, 67.4089, 26.8710



87.1792, 93.1515, 78.8605



46.2712, 32.9090, 29.4266



18.4449, 19.7434, 16.0824



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.



62.2432, 67.4089, 26.8710



70.6817, 76.3061, 23.5736



57.7224, 74.3353, 28.4462



16.0903, 17.1035, 15.9720



29.3570, 30.4081, 4.3221



2.3685, 2.5144, 0.3605



# Inverse Universe

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



32.2818, 29.0146, 84.0193



31.7217, 26.4291, 98.0372



35.0344, 25.9126, 83.2755



14.4668, 15.0200, 19.0589



8.9462, 4.5393, 44.1476



0.7676, 0.4868, 3.4884



# Previews

## White Background



This preview shows how the XYZ color 62.2416, 67.4057, 26.8696 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 62.2416, 67.4057, 26.8696 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 62.2416, 67.4057, 26.8696**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.2416, 67.4057, 26.8696.



This preview shows how white text looks on a background with the XYZ color 62.2416, 67.4057,



# 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

62.2416, 67.4057, 26.8696

### Protanopia

61.9087, 67.2340, 26.8541

### Deuteranopia

68.0449, 67.2961, 34.2140



## Tritanopia

72.1332, 67.0772, 75.4750

# Trichromacy



## Original Color

62.2416, 67.4057, 26.8696

## Protanomaly

61.9087, 67.2340, 26.8541

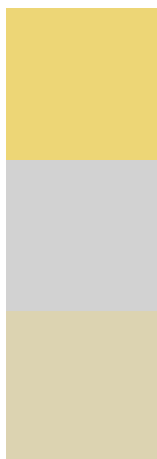
## Deuteranomaly

65.6767, 67.2233, 31.3437

## Tritanomaly

67.4770, 66.5747, 53.5498

# Monochromacy



## Original Color

62.2416, 67.4057, 26.8696

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

60.7453, 64.9785, 50.9355

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2416, 67.4057, 26.8696 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(237, 214, 118)` looks like.

```
.text, #text, p{  
    color:rgb(237, 214, 118)  
}
```

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(237, 214, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 214, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2416, 67.4057, 26.8696 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(237, 214, 118) }
```



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

```
.border{ border-color:rgb(237, 214, 118) }
```

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

Here you see how a box with a 4 pixel rgb(237, 214, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 214, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 214, 118);  
box-shadow:4px 4px 4px 4px rgb(237, 214,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2416, 67.4057, 26.8696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 214, 118) }
```

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

```
.background{ background-color: rgb(237,  
214, 118) }
```

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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