

# Converting Colors

XYZ(62.3294, 67.1410, 32.1271)

Have a look what the booklet for  
XYZ(62.3294, 67.1410, 32.1271)  
contains.

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# Color

**XYZ(62.3583, 66.9719,  
32.1945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD586
RGB	235, 213, 134
RGB Percent	92%, 84%, 53%
CMY	0.0784, 0.1647, 0.4745
CMYK	0.00, 0.09, 0.43, 0.08
HSL	47°, 72%, 72%
HSV	47°, 43%, 92%
XYZ	62.3583, 66.9719, 32.1945
YIQ	210.5720, 38.4710, -19.9050

# Conversions

## Conversions Part 2

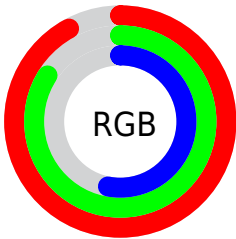
Format	Color
R <sub>Y</sub> B	162, 235, 134
Decimal	15455622
CIE Lab	85.49, -2.99, 41.74
CIE LCh	85, 41.849, 94.098
Yxy	66.9719, 0.3861, 0.4146
Android (android.graphics.Color)	4293645702 (0xFFEBD586)
YUV	210.5720, -37.7500, 21.4234
Hunter-Lab	81.8364, -7.1988, 33.9607

# Details

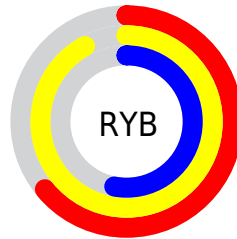
The XYZ color **62.3583, 66.9719, 32.1945** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **36.7151, 34.8423, 83.3874**, and the grayscale version is **61.8592, 65.0807, 70.8729**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **32.3196, 34.8858, 13.2138** is the 20% darker color. If you saturate the color by 10%, you get **59.6316, 63.8564, 24.0783**, and if you desaturate by 10%, it is **65.4932, 70.3206, 42.2450**.

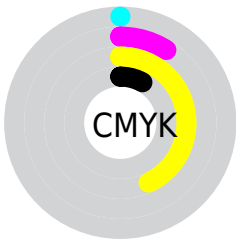
# Distribution



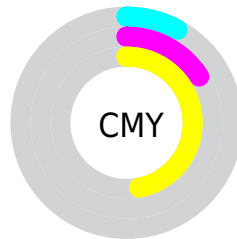
- Red (92%)
- Green (84%)
- Blue (53%)



- Red (64%)
- Yellow (92%)
- Blue (53%)



- Cyan (0%)
- Magenta (9%)
- Yellow (43%)
- Black (8%)



- Cyan (8%)
- Magenta (16%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.3583, 66.9719, 32.1945 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 62.3583, 66.9719, 32.1945 by changing the saturation by 10% instead.



62.3583, 66.9719,  
32.1945

62.3583, 66.9719,  
32.1945

422.9336,  
449.8447, 326.5243

45.5790, 49.0618,  
21.2441

107.3302,  
114.8801, 64.2173

32.1169, 34.6685,  
13.1095

136.2535,  
145.6471, 86.1268

21.6068, 23.4076,  
7.3724

169.9555,  
181.4684, 112.5263

13.6833, 14.8948,  
3.6141

208.8016,  
222.7285, 143.8345

7.9809, 8.7456,  
1.4161

253.1571,  
269.8118, 180.4699

4.1344, 4.5756,  
0.1543

303.3874,

1.7785, 2.0005,

323.1027, 222.8509

0.0000

359.8577,  
382.9855, 271.3962

■ 0.5046, 0.6077,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.3583, 66.9719,  
32.1945

■ 62.3583, 66.9719,  
32.1945

■ 59.6316, 63.8564,  
24.0783

■ 65.4932, 70.3206,  
42.2450

■ 57.2832, 60.9541,  
17.7635


■ 69.0538, 73.9027,  
54.3425


■ 55.2872, 58.2567,  
13.1073


■ 73.0625, 77.7302,  
68.5958

■ 53.6115, 55.7505,  
9.9430


■ 77.5387, 81.8115,  
85.1050

 52.2175, 53.4196,  
8.0690


 82.5005, 86.1542,  
103.9637

 51.3651, 51.8704,  
7.3048

 84.5747, 89.4098,  
107.4080

 86.1336, 92.5276,  
107.9276

 87.7356, 95.7316,  
108.4616

 88.0709, 96.4022,  
108.5734

# Harmonies

## Analogous

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



71.9732, 66.9719, 35.2567



62.3583, 66.9719, 32.1945



53.9529, 66.9719, 37.6102

# Triad

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



62.3583, 66.9719, 32.1945



49.6938, 66.9719, 106.3595



81.5425, 66.9719, 98.2469

# Complementary

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



62.3583, 66.9719, 32.1945



36.7151, 34.8423, 83.3874

# 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.



74.4551, 66.9719, 125.3921



62.3583, 66.9719, 32.1945



56.0033, 66.9719, 130.8349

# Square

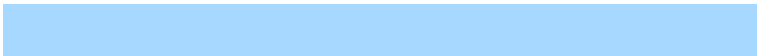
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.3583, 66.9719, 32.1945



47.1166, 66.9719, 76.7238



64.9691, 66.9719, 138.5448



83.6704, 66.9719, 69.2460



# Rectangle

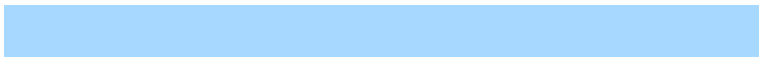
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.3583, 66.9719, 32.1945



49.9742, 66.9719, 46.3424



64.9691, 66.9719, 138.5448



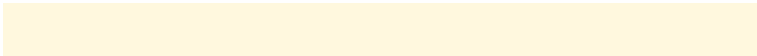
79.6287, 66.9719, 108.1051

# Sweetspot

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



62.3599, 66.9750, 32.1959



87.9048, 93.5261, 82.4211



48.9208, 37.1668, 36.7488



18.5763, 19.7944, 16.7791



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.



62.3599, 66.9750, 32.1959



72.0078, 77.1354, 29.6360



60.0429, 74.5576, 33.7816



16.0575, 17.0379, 15.9611



28.6849, 29.0639, 4.0980



2.3213, 2.4199, 0.3447



# Inverse Universe

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



36.7151, 34.8423, 83.3874



37.2438, 33.6089, 99.1320



38.2057, 30.6193, 82.4937



14.4971, 15.0807, 19.0690



9.0852, 4.8175, 44.1940



0.7827, 0.5169, 3.4934



# Previews

## White Background



This preview shows how the XYZ color 62.3583, 66.9719, 32.1945 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

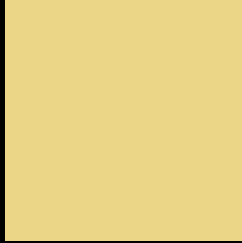
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.3583, 66.9719, 32.1945 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 62.3583, 66.9719, 32.1945**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.3583, 66.9719, 32.1945.



This preview shows how white text looks on a background with the XYZ color 62.3583, 66.9719,



# 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

62.3583, 66.9719, 32.1945

### Protanopia

61.9539, 67.1380, 32.2479

### Deuteranopia

68.0292, 66.9058, 35.3152



## Tritanopia

71.4503, 67.0594, 76.1958

# Trichromacy



## Original Color

62.3583, 66.9719, 32.1945

## Protanomaly

62.2813, 67.3068, 32.2632

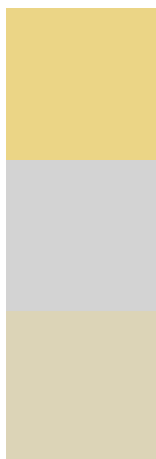
## Deuteranomaly

66.0009, 66.9617, 34.2572

## Tritanomaly

67.6656, 66.9573, 56.9346

# Monochromacy



## Original Color

62.3583, 66.9719, 32.1945

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

61.6059, 65.7215, 54.2383

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.3583, 66.9719, 32.1945 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(235, 213, 134)` looks like.

```
.text, #text, p{  
    color:rgb(235, 213, 134)  
}
```

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(235, 213, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 213, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 62.3583, 66.9719, 32.1945 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(235, 213, 134) }
```



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

```
.border{ border-color:rgb(235, 213, 134) }
```

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

Here you see how a box with a 4 pixel rgb(235, 213, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 213, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 213, 134);  
box-shadow:4px 4px 4px 4px rgb(235, 213,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.3583, 66.9719, 32.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 213, 134) }
```

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

```
.background{ background-color: rgb(235,  
213, 134) }
```

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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