

# Converting Colors

XYZ(57.4463, 59.9391, 22.4404)

Have a look what the booklet for  
XYZ(57.4463, 59.9391, 22.4404)  
contains.

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# Color

**XYZ(57.5691, 60.0323,  
22.4631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBC86B
RGB	235, 200, 107
RGB Percent	92%, 78%, 42%
CMY	0.0784, 0.2157, 0.5804
CMYK	0.00, 0.15, 0.54, 0.08
HSL	44°, 76%, 67%
HSV	44°, 54%, 92%
XYZ	57.5691, 60.0323, 22.4631
YIQ	199.8630, 50.7130, -21.5030

# Conversions

## Conversions Part 2

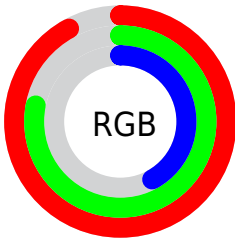
Format	Color
<a href="#">RYB</a>	<a href="#">155, 235, 107</a>
Decimal	<a href="#">15452267</a>
CIELab	<a href="#">81.86, 1.25, 50.54</a>
CIElCh	<a href="#">82, 50.555, 88.579</a>
Yxy	<a href="#">60.0323, 0.4110, 0.4286</a>
Android (android.graphics.Color)	<a href="#">4293642347 (0xFFEBC86B)</a>
YUV	<a href="#">199.8630, -45.7815, 30.8151</a>
Hunter-Lab	<a href="#">77.4805, -2.9629, 37.0470</a>

# Details

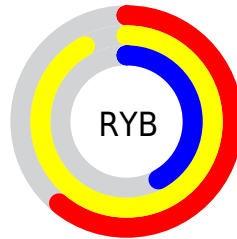
The XYZ color **57.5691, 60.0323, 22.4631** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.7315, 28.4689, 82.4723**, and the grayscale version is **55.0678, 57.9356, 63.0919**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **29.0999, 30.1807, 7.9062** is the 20% darker color. If you saturate the color by 10%, you get **55.0404, 56.6920, 16.3275**, and if you desaturate by 10%, it is **60.4991, 63.6378, 30.3911**.

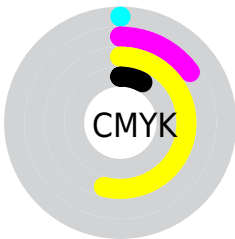
# Distribution



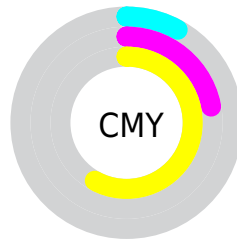
- Red (92%)
- Green (78%)
- Blue (42%)



- Red (61%)
- Yellow (92%)
- Blue (42%)



- Cyan (0%)
- Magenta (15%)
- Yellow (54%)
- Black (8%)



- Cyan (8%)
- Magenta (22%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5691, 60.0323, 22.4631 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 57.5691, 60.0323, 22.4631 by changing the saturation by 10% instead.



■ 57.5691, 60.0323,  
22.4631

■ 57.5691, 60.0323,  
22.4631

405.5582,  
424.7168, 277.9872

■ 41.7042, 43.4447,  
13.9960

■ 100.4217,  
104.8765, 48.4222

■ 29.0599, 30.2342,  
7.9792

■ 128.1401,  
133.9019, 66.7513

■ 19.2706, 20.0164,  
3.9940

■ 160.5405,  
167.8420, 89.2047

■ 11.9712, 12.4070,  
1.6221

■ 197.9881,  
207.0812, 116.2012

■ 6.7961, 7.0215,  
0.3065

240.8483,  
252.0039, 148.1591

■ 3.3801, 3.4755,  
0.0000

289.4865,

■ 1.3578, 1.3847,

302.9944, 185.4971

0.0000

344.2680,  
360.4373, 228.6336

■ 0.2259, 0.2054,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5691, 60.0323,  
22.4631

■ 57.5691, 60.0323,  
22.4631

■ 55.0404, 56.6920,  
16.3275

■ 60.4991, 63.6378,  
30.3911

■ 52.8801, 53.5956,  
11.8333


■ 63.8517, 67.5112,  
40.2386

■ 51.0565, 50.7315,  
8.8108

■ 67.6516, 71.6660,  
52.1254


■ 49.5290, 48.0822,  
7.0512


■ 71.9200, 76.1117,  
66.1603


 48.7770, 46.6945,  
6.4421

 76.6768, 80.8575,  
82.4446

 81.9407, 85.9120,  
101.0729

 84.9569, 90.1743,  
107.5354

 86.9343, 94.1291,  
108.1945

 88.0708, 96.4021,  
108.5734

# Harmonies

## Analogous

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



68.4370, 60.0323, 26.9512



57.5691, 60.0323, 22.4631



47.7961, 60.0323, 26.1522

# Triad

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



57.5691, 60.0323, 22.4631



40.8717, 60.0323, 97.6955



76.4192, 60.0323, 101.0313

# Complementary

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



57.5691, 60.0323, 22.4631



30.7315, 28.4689, 82.4723

# 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.



67.4472, 60.0323, 131.7332



57.5691, 60.0323, 22.4631



47.0174, 60.0323, 129.4224

# Square

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



57.5691, 60.0323, 22.4631



38.9077, 60.0323, 63.9189



56.5517, 60.0323, 143.4590



80.1253, 60.0323, 66.8327



# Rectangle

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



57.5691, 60.0323, 22.4631



43.0152, 60.0323, 33.6882



56.5517, 60.0323, 143.4590



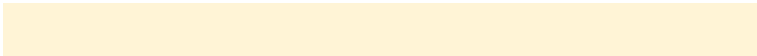
73.8682, 60.0323, 112.4546

# Sweetspot

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



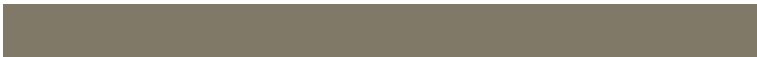
57.5705, 60.0352, 22.4643



85.7074, 90.7338, 76.7484



44.4971, 30.1694, 29.5714



18.1115, 19.1802, 15.6520



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.



57.5705, 60.0352, 22.4643



66.0227, 67.9234, 19.1371



58.1690, 73.7819, 25.0862



15.9835, 16.8901, 15.9364



27.2585, 26.2112, 3.6226



2.2198, 2.2170, 0.3109



# Inverse Universe

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



30.7315, 28.4689, 82.4723



30.7972, 26.5630, 98.1117



30.2025, 21.6431, 81.1826



14.5663, 15.2190, 19.0921



9.4649, 5.5767, 44.3205



0.8211, 0.5937, 3.5062



# Previews

## White Background



This preview shows how the XYZ color 57.5691, 60.0323, 22.4631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

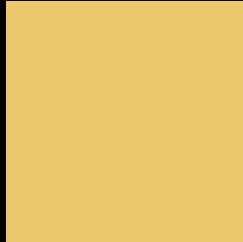
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5691, 60.0323, 22.4631 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 57.5691, 60.0323, 22.4631**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.5691, 60.0323, 22.4631.



This preview shows how white text looks on a background with the XYZ color 57.5691, 60.0323,



# 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

57.5691, 60.0323, 22.4631

### Protanopia

55.0401, 60.1157, 22.8899

### Deuteranopia

61.4229, 59.9903, 22.5293



## Tritanopia

66.4049, 59.9879, 65.2056

# Trichromacy



## Original Color

57.5691, 60.0323, 22.4631

## Protanomaly

56.0576, 60.2886, 22.8697

## Deuteranomaly

60.1029, 59.9750, 22.5959

## Tritanomaly

62.5070, 59.7053, 45.7659

# Monochromacy



## Original Color

57.5691, 60.0323, 22.4631

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

54.9778, 58.2079, 44.4140

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5691, 60.0323, 22.4631 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, 200, 107)` looks like.

```
.text, #text, p{  
    color:rgb(235, 200, 107)  
}
```

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, 200, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 200, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5691, 60.0323, 22.4631 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, 200, 107) }
```



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

```
.border{ border-color:rgb(235, 200, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 200, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 200, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 200, 107); box-shadow:4px 4px 4px 4px rgb(235, 200, 107) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5691, 60.0323, 22.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 200, 107) }
```

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

```
.background{ background-color: rgb(235,  
200, 107) }
```

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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