

# Converting Colors

XYZ(60.8651, 66.1128, 25.1939)

Have a look what the booklet for  
XYZ(60.8651, 66.1128, 25.1939)  
contains.

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# Color

**XYZ(60.7851, 65.9414,  
25.1470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBD471
RGB	235, 212, 113
RGB Percent	92%, 83%, 44%
CMY	0.0784, 0.1686, 0.5569
CMYK	0.00, 0.10, 0.52, 0.08
HSL	49°, 75%, 68%
HSV	49°, 52%, 92%
XYZ	60.7851, 65.9414, 25.1470
YIQ	207.5910, 45.4870, -25.9130

# Conversions

## Conversions Part 2

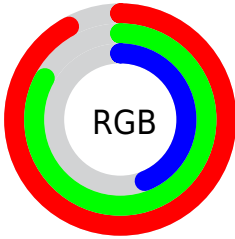
Format	Color
<a href="#">RYB</a>	<a href="#">141, 235, 113</a>
Decimal	<a href="#">15455345</a>
CIELab	<a href="#">84.97, -4.42, 51.37</a>
CIELCh	<a href="#">85, 51.562, 94.917</a>
Yxy	<a href="#">65.9414, 0.4002, 0.4342</a>
Android (android.graphics.Color)	<a href="#">4293645425</a> ( <a href="#">0xFFEBD471</a> )
YUV	<a href="#">207.5910, -46.6334, 24.0377</a>
Hunter-Lab	<a href="#">81.2043, -8.4922, 38.4823</a>

# Details

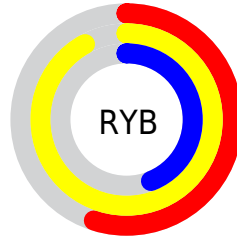
The XYZ color **60.7851, 65.9414, 25.1470** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.6094, 27.1163, 82.2177**, and the grayscale version is **59.9624, 63.0852, 68.6997**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **31.2006, 34.1378, 9.3597** is the 20% darker color. If you saturate the color by 10%, you get **58.5381, 63.2976, 18.6946**, and if you desaturate by 10%, it is **63.4082, 68.7891, 33.4160**.

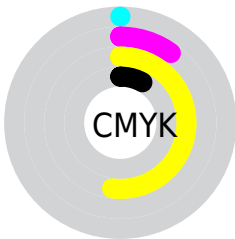
# Distribution



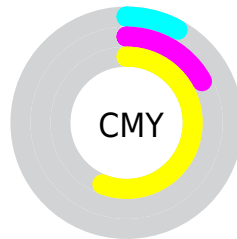
- Red (92%)
- Green (83%)
- Blue (44%)



- Red (55%)
- Yellow (92%)
- Blue (44%)



- Cyan (0%)
- Magenta (10%)
- Yellow (52%)
- Black (8%)



- Cyan (8%)
- Magenta (17%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7851, 65.9414, 25.1470 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 60.7851, 65.9414, 25.1470 by changing the saturation by 10% instead.



60.7851, 65.9414,  
25.1470

60.7851, 65.9414,  
25.1470

417.2741,  
446.1673, 292.0403

44.3036, 48.2248,  
15.9666

105.0676,  
113.4022, 52.8627

31.1082, 34.0050,  
9.3464

133.5993,  
143.9153, 72.2350

20.8335, 22.8974,  
4.8679

166.8786,  
179.4626, 95.8418

13.1141, 14.5178,  
2.1126

205.2706,  
220.4286, 124.1014

7.5847, 8.4817,  
0.6233

249.1408,  
267.1977, 157.4326

3.8799, 4.4047,  
0.0000

298.8546,

1.6344, 1.9024,

320.1542, 196.2538

0.0000

354.7772,  
379.6826, 240.9835

■ 0.4147, 0.5498,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.7851, 65.9414,  
25.1470

■ 60.7851, 65.9414,  
25.1470

■ 58.5381, 63.2976,  
18.6946

■ 63.4082, 68.7891,  
33.4160

■ 56.6352, 60.8372,  
13.9124


■ 66.4270, 71.8417,  
43.6247


■ 55.0466, 58.5504,  
10.6381

■ 69.8652, 75.1114,  
55.8902


■ 53.7347, 56.4217,  
8.6746


■ 73.7434, 78.6068,  
70.3191


 52.8280, 54.7964,  
7.7924

 78.0806, 82.3359,  
87.0106

 82.8947, 86.3062,  
106.0578

 84.3646, 88.9896,  
107.3380

 85.7063, 91.6729,  
107.7852

 87.0801, 94.4206,  
108.2431

# Harmonies

## Analogous

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



72.6015, 65.9414, 28.1306



60.7851, 65.9414, 25.1470



50.7692, 65.9414, 31.1615

# Triad

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



60.7851, 65.9414, 25.1470



46.1257, 65.9414, 114.8591



85.0942, 65.9414, 102.3838

# Complementary

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



60.7851, 65.9414, 25.1470



30.6094, 27.1163, 82.2177

# 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.



76.3109, 65.9414, 137.8484



60.7851, 65.9414, 25.1470



53.6978, 65.9414, 146.4701

# Square

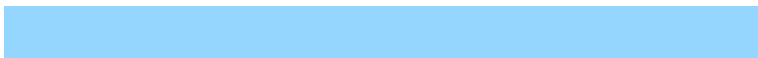
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.7851, 65.9414, 25.1470



42.9970, 65.9414, 77.4078



64.6043, 65.9414, 155.9682



87.5936, 65.9414, 66.4678



# Rectangle

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



60.7851, 65.9414, 25.1470



46.1557, 65.9414, 41.0178



64.6043, 65.9414, 155.9682



82.7298, 65.9414, 115.0656

# Sweetspot

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



60.7867, 65.9445, 25.1483



86.7589, 92.8367, 77.0989



44.7106, 31.2907, 27.5016



18.3639, 19.6849, 15.7361



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.



60.7867, 65.9445, 25.1483



70.3728, 76.0808, 22.2609



56.0835, 72.6691, 26.6942



16.0966, 17.1162, 15.9741



29.4900, 30.6743, 4.3664



2.3779, 2.5331, 0.3636



# Inverse Universe

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



30.6094, 27.1163, 82.2177



30.5196, 24.8568, 97.7970



33.4053, 24.2553, 81.5182



14.4609, 15.0083, 19.0570



8.9212, 4.4894, 44.1393

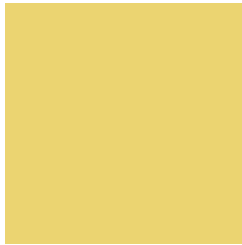


0.7649, 0.4812, 3.4874



# Previews

## White Background



This preview shows how the XYZ color 60.7851, 65.9414, 25.1470 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 60.7851, 65.9414, 25.1470 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 60.7851, 65.9414, 25.1470**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.7851, 65.9414, 25.1470.



This preview shows how white text looks on a background with the XYZ color 60.7851, 65.9414,

25.1470.

# 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

60.7851, 65.9414, 25.1470

### Protanopia

60.4558, 65.7716, 25.1316

### Deuteranopia

66.6252, 65.5836, 30.2665



## Tritanopia

70.7051, 65.6789, 73.9165

# Trichromacy



## Original Color

60.7851, 65.9414, 25.1470

## Protanomaly

60.4558, 65.7716, 25.1316

## Deuteranomaly

64.4208, 65.5543, 28.3267

## Tritanomaly

66.0052, 65.1412, 51.7425

# Monochromacy



## Original Color

60.7851, 65.9414, 25.1470

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

59.2567, 63.5235, 48.6733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7851, 65.9414, 25.1470 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, 212, 113)` looks like.

```
.text, #text, p{  
    color:rgb(235, 212, 113)  
}
```

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, 212, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 212, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7851, 65.9414, 25.1470 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, 212, 113) }
```



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

```
.border{ border-color:rgb(235, 212, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 212, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 212, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 212, 113);  
box-shadow:4px 4px 4px 4px rgb(235, 212,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7851, 65.9414, 25.1470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 212, 113) }
```

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

```
.background{ background-color: rgb(235,  
212, 113) }
```

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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