

# Converting Colors

XYZ(62.2931, 66.7380, 24.3504)

Have a look what the booklet for  
XYZ(62.2931, 66.7380, 24.3504)  
contains.

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# **Color**

**XYZ(62.2931, 66.7380,  
24.3504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0D46E
RGB	240, 212, 110
RGB Percent	94%, 83%, 43%
CMY	0.0588, 0.1686, 0.5686
CMYK	0.00, 0.12, 0.54, 0.06
HSL	47°, 81%, 69%
HSV	47°, 54%, 94%
XYZ	62.2931, 66.7380, 24.3504
YIQ	208.7440, 49.4300, -25.7860

# Conversions

## Conversions Part 2

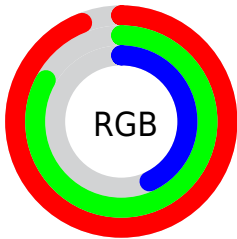
Format	Color
<a href="#">RYB</a>	<a href="#">146, 240, 110</a>
Decimal	<a href="#">15783022</a>
<a href="#">CIELab</a>	<a href="#">85.37, -2.63, 53.38</a>
<a href="#">CIELCh</a>	<a href="#">85, 53.445, 92.823</a>
<a href="#">Yxy</a>	<a href="#">66.7380, 0.4061, 0.4351</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4293973102 (0xFFFF0D46E)</a>
<a href="#">YUV</a>	<a href="#">208.7440, -48.6808, 27.4115</a>
<a href="#">Hunter-Lab</a>	<a href="#">81.6933, -6.8528, 39.5127</a>

# Details

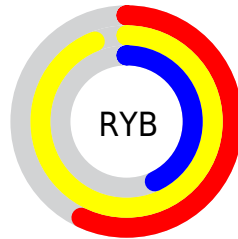
The XYZ color **62.2931, 66.7380, 24.3504** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.2468, 27.7823, 86.1533**, and the grayscale version is **60.7236, 63.8859, 69.5718**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **32.0466, 34.5830, 8.9891** is the 20% darker color. If you saturate the color by 10%, you get **59.8885, 63.7444, 17.9522**, and if you desaturate by 10%, it is **65.0961, 69.9621, 32.6284**.

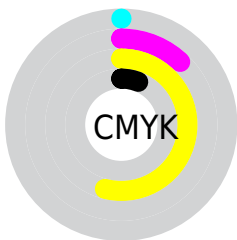
# Distribution



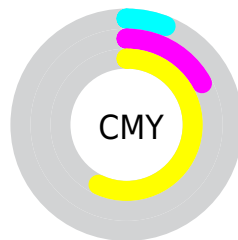
- Red (94%)
- Green (83%)
- Blue (43%)



- Red (57%)
- Yellow (94%)
- Blue (43%)



- Cyan (0%)
- Magenta (12%)
- Yellow (54%)
- Black (6%)



- Cyan (6%)
- Magenta (17%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2931, 66.7380, 24.3504 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 62.2931, 66.7380, 24.3504 by changing the saturation by 10% instead.



62.2931, 66.7380,  
24.3504

62.2931, 66.7380,  
24.3504

422.7000,  
449.0116, 287.9306

45.5261, 48.8717,  
15.3792

107.2366,  
114.5449, 51.5524

32.0750, 34.5177,  
8.9363

136.1437,  
145.2544, 70.6202

21.5746, 23.2916,  
4.6034

169.8283,  
181.0136, 93.8906

13.6595, 14.8090,  
1.9619

208.6557,  
222.2072, 121.7822

7.9644, 8.6854,  
0.5317

252.9912,  
269.2193, 154.7134

4.1238, 4.5366,  
0.0000

303.2001,

1.7724, 1.9780,

322.4345, 193.1029

0.0000

359.6479,  
382.2372, 237.3691

■ 0.5010, 0.5947,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.2931, 66.7380,  
24.3504

■ 62.2931, 66.7380,  
24.3504

■ 59.8885, 63.7444,  
17.9522

■ 65.0961, 69.9621,  
32.6284

■ 57.8478, 60.9594,  
13.2753


■ 68.3191, 73.4186,  
42.9194


■ 56.1383, 58.3719,  
10.1421


■ 71.9877, 77.1206,  
55.3491


■ 54.7180, 55.9643,  
8.3338


■ 76.1239, 81.0776,  
70.0317

 53.9863, 54.6279,  
7.6988

 80.7482, 85.2984,  
87.0732

 85.8799, 89.7912,  
106.5732

 87.6087, 92.9925,  
107.9396

 89.2212, 96.2176,  
108.4771

 89.7450, 97.2652,  
108.6517

# Harmonies

## Analogous

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



74.6688, 66.7380, 28.0335



62.2931, 66.7380, 24.3504



51.6338, 66.7380, 29.8094

# Triad

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



62.2931, 66.7380, 24.3504



45.8139, 66.7380, 115.1196



86.4738, 66.7380, 107.5641

# Complementary

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



62.2931, 66.7380, 24.3504



31.2468, 27.7823, 86.1533

# 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.



76.9041, 66.7380, 144.3136



62.2931, 66.7380, 24.3504



53.3840, 66.7380, 149.5627

# Square

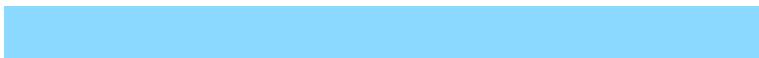
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.2931, 66.7380, 24.3504



42.9089, 66.7380, 75.9988



64.5856, 66.7380, 161.6519



89.6363, 66.7380, 69.4327



# Rectangle

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



62.2931, 66.7380, 24.3504



46.6354, 66.7380, 39.3689



64.5856, 66.7380, 161.6519



83.8444, 66.7380, 120.8507

# Sweetspot

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



62.2947, 66.7411, 24.3517



86.4241, 92.1672, 76.9873



46.1109, 31.5175, 27.7621



18.2835, 19.5241, 15.7093



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.



62.2947, 66.7411, 24.3517



68.4656, 72.8093, 19.9514



58.6487, 76.1657, 26.3630



16.8172, 17.8476, 16.7083



29.6544, 30.1069, 4.2483



2.5379, 2.6465, 0.3771



# Inverse Universe

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



31.2468, 27.7823, 86.1533



29.5202, 24.0088, 97.6860



33.3075, 23.6316, 85.2435



15.1732, 15.7804, 19.9678



9.3531, 4.9304, 45.5866



0.8487, 0.5514, 3.8159



# Previews

## White Background



This preview shows how the XYZ color 62.2931, 66.7380, 24.3504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

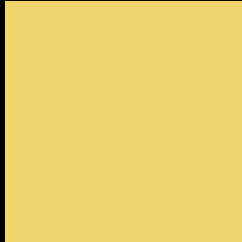
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2931, 66.7380, 24.3504 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 62.2931, 66.7380, 24.3504

## Background



This preview shows how black text looks on a background with the XYZ color 62.2931, 66.7380, 24.3504.



This preview shows how white text looks on a background with the XYZ color 62.2931, 66.7380,



# 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

62.2931, 66.7380, 24.3504

### Protanopia

61.1768, 66.9030, 24.7281

### Deuteranopia

67.3744, 66.6439, 31.8668



## Tritanopia

72.4733, 66.5904, 73.9992

# Trichromacy



## Original Color

62.2931, 66.7380, 24.3504

## Protanomaly

61.5885, 66.7407, 24.6751

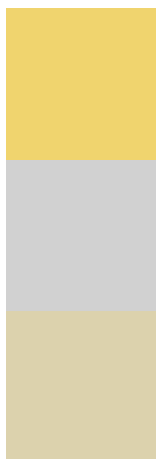
## Deuteranomaly

65.6819, 66.9164, 28.8564

## Tritanomaly

67.5347, 65.9529, 50.7657

# Monochromacy



## Original Color

62.2931, 66.7380, 24.3504

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

60.1046, 64.3260, 48.7835

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2931, 66.7380, 24.3504 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(240, 212, 110)` looks like.

```
.text, #text, p{  
    color:rgb(240, 212, 110)  
}
```

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(240, 212, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 212, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2931, 66.7380, 24.3504 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(240, 212, 110) }
```



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

```
.border{ border-color:rgb(240, 212, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 212, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 212, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 212, 110);  
box-shadow:4px 4px 4px 4px rgb(240, 212,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2931, 66.7380, 24.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 212, 110) }
```

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

```
.background{ background-color: rgb(240,  
212, 110) }
```

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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