

# Converting Colors

XYZ(62.6292, 66.0812, 15.0529)

Have a look what the booklet for  
XYZ(62.6292, 66.0812, 15.0529)  
contains.

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# Color

**XYZ(62.5860, 65.9871,  
15.0684)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8D145
RGB	248, 209, 69
RGB Percent	97%, 82%, 27%
CMY	0.0275, 0.1804, 0.7294
CMYK	0.00, 0.16, 0.72, 0.03
HSL	47°, 93%, 62%
HSV	47°, 72%, 97%
XYZ	62.5860, 65.9871, 15.0684
YIQ	204.7010, 68.1840, -35.2720

# Conversions

## Conversions Part 2

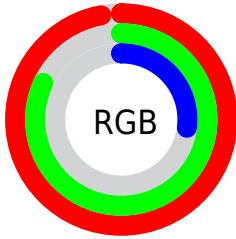
Format	Color
<a href="#">RYB</a>	<a href="#">119, 248, 69</a>
Decimal	<a href="#">16306501</a>
CIELab	<a href="#">84.99, -0.31, 70.67</a>
CIELCh	<a href="#">85, 70.671, 90.249</a>
Yxy	<a href="#">65.9871, 0.4357, 0.4594</a>
Android (android.graphics.Color)	<a href="#">4294496581 (0xFFFF8D145)</a>
YUV	<a href="#">204.7010, -66.9006, 37.9732</a>
Hunter-Lab	<a href="#">81.2324, -4.6304, 45.8646</a>

# Details

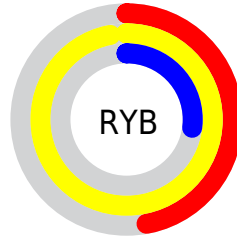
The XYZ color **62.5860, 65.9871, 15.0684** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **24.7600, 18.7672, 91.1236**, and the grayscale version is **58.2213, 61.2533, 66.7048**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **32.4604, 34.1341, 4.8777** is the 20% darker color. If you saturate the color by 10%, you get **60.6685, 63.1376, 11.3923**, and if you desaturate by 10%, it is **64.8730, 69.0615, 20.4548**.

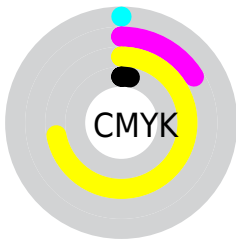
# Distribution



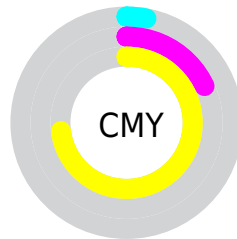
- Red (97%)
- Green (82%)
- Blue (27%)



- Red (47%)
- Yellow (97%)
- Blue (27%)



- Cyan (0%)
- Magenta (16%)
- Yellow (72%)
- Black (3%)



- Cyan (3%)
- Magenta (18%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.5860, 65.9871, 15.0684 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 62.5860, 65.9871, 15.0684 by changing the saturation by 10% instead.



62.5860, 65.9871,  
15.0684

62.5860, 65.9871,  
15.0684

423.7490,  
446.3307, 235.4349

45.7638, 48.2619,  
8.7202

107.6572,  
113.4678, 35.7171

32.2633, 34.0344,  
4.4649

136.6368,  
143.9922, 50.8548

21.7192, 22.9200,  
1.8837

170.3997,  
179.5517, 69.7594

13.7662, 14.5344,  
0.4823

209.3110,  
220.5308, 92.8494

8.0388, 8.4933,  
0.0000

253.7363,  
267.3138, 120.5434

4.1718, 4.4122,  
0.0000

304.0408,

1.7998, 1.9067,

320.2852, 153.2600

0.0000

360.5899,  
379.8294, 191.4176

■ 0.5175, 0.5524,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.5860, 65.9871,  
15.0684

■ 62.5860, 65.9871,  
15.0684

■ 60.6685, 63.1376,  
11.3923

■ 64.8730, 69.0615,  
20.4548


■ 59.0724, 60.4853,  
9.1958


■ 67.5609, 72.3663,  
27.7358


■ 57.9972, 58.5286,  
8.2404


■ 70.6828, 75.9180,  
37.0759


■ 74.2667, 79.7285,  
48.6206

 78.3381, 83.8085,  
62.5025

 82.9205, 88.1683,  
78.8433

 88.0359, 92.8173,  
97.7565

 91.6425, 96.9393,  
108.4888

 92.5210, 98.6963,  
108.7816

# Harmonies

## Analogous

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



79.1310, 65.9871, 19.5160



62.5860, 65.9871, 15.0684



48.5546, 65.9871, 19.6760

# Triad

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



62.5860, 65.9871, 15.0684



39.8587, 65.9871, 125.5450



93.1531, 65.9871, 124.5914

# Complementary

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



62.5860, 65.9871, 15.0684



24.7600, 18.7672, 91.1236

# 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.



79.4000, 65.9871, 177.0145



62.5860, 65.9871, 15.0684



48.7489, 65.9871, 177.7094

# Square

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



62.5860, 65.9871, 15.0684



36.8629, 65.9871, 72.2299



62.8517, 65.9871, 199.6425



98.4930, 65.9871, 71.4689



# Rectangle

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



62.5860, 65.9871, 15.0684



42.0427, 65.9871, 29.1698



62.8517, 65.9871, 199.6425



89.2577, 65.9871, 143.5654

# Sweetspot

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



62.5875, 65.9903, 15.0697



83.5217, 89.3479, 66.8158



43.6961, 25.3558, 17.5638



17.6132, 18.8650, 13.3852



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.



62.5875, 65.9903, 15.0697



63.7501, 65.8375, 10.7978



58.5323, 79.8801, 17.9645



18.3878, 19.5114, 18.2593



31.4382, 31.8330, 4.4874



2.9884, 3.1016, 0.4412



# Inverse Universe

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



24.7600, 18.7672, 91.1236



21.6601, 13.5020, 96.0723



26.3723, 14.7978, 90.2724



16.5895, 17.2559, 21.8417



9.9494, 5.2544, 48.4634



0.9959, 0.6355, 4.5133



# Previews

## White Background



This preview shows how the XYZ color 62.5860, 65.9871, 15.0684 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 62.5860, 65.9871, 15.0684 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 62.5860, 65.9871, 15.0684

## Background



This preview shows how black text looks on a background with the XYZ color 62.5860, 65.9871, 15.0684.



This preview shows how white text looks on a background with the XYZ color 62.5860, 65.9871,



# 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

62.5860, 65.9871, 15.0684

### Protanopia

60.1596, 66.2078, 15.4030

### Deuteranopia

66.2841, 65.8262, 27.3013



## Tritanopia

72.9641, 65.8957, 70.5015

# Trichromacy



## Original Color

62.5860, 65.9871, 15.0684

## Protanomaly

61.2669, 66.4064, 15.3830

## Deuteranomaly

64.6145, 65.7974, 21.8650

## Tritanomaly

67.2895, 64.9719, 41.7952

# Monochromacy



## Original Color

62.5860, 65.9871, 15.0684

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.8909, 61.9151, 40.3521

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.5860, 65.9871, 15.0684 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(248, 209, 69)` looks like.

```
.text, #text, p{  
    color:rgb(248, 209, 69)  
}
```

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(248, 209, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 209, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 62.5860, 65.9871, 15.0684 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(248, 209, 69) }
```



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

```
.border{ border-color:rgb(248, 209, 69) }
```

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

Here you see how a box with a 4 pixel rgb(248, 209, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 209, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 209, 69);  
box-shadow:4px 4px 4px 4px rgb(248, 209,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.5860, 65.9871, 15.0684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 209, 69) }
```

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

```
.background{ background-color: rgb(248,  
209, 69) }
```

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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