

# Converting Colors

XYZ(61.5927, 66.9812, 14.0556)

Have a look what the booklet for  
XYZ(61.5927, 66.9812, 14.0556)  
contains.

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# **Color**

**XYZ(61.5987, 66.9801,  
14.0967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3D53D
RGB	243, 213, 61
RGB Percent	95%, 84%, 24%
CMY	0.0471, 0.1647, 0.7608
CMYK	0.00, 0.12, 0.75, 0.05
HSL	50°, 88%, 60%
HSV	50°, 75%, 95%
XYZ	61.5987, 66.9801, 14.0967
YIQ	204.6420, 66.6720, -40.9120

# Conversions

## Conversions Part 2

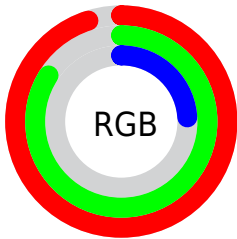
Format	Color
<a href="#">RYB</a>	<a href="#">97, 243, 61</a>
Decimal	<a href="#">15979837</a>
CIELab	<a href="#">85.49, -4.78, 73.81</a>
CIELCh	<a href="#">85, 73.967, 93.705</a>
Yxy	<a href="#">66.9801, 0.4317, 0.4695</a>
Android (android.graphics.Color)	<a href="#">4294169917</a> ( <a href="#">0xFFFF3D53D</a> )
YUV	<a href="#">204.6420, -70.8155, 33.6400</a>
Hunter-Lab	<a href="#">81.8414, -8.8726, 47.0766</a>

# Details

The XYZ color **61.5987, 66.9801, 14.0967** 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 **21.8433, 14.9452, 86.5269**, and the grayscale version is **58.2085, 61.2399, 66.6902**.

A 20% lighter version of the original color is **80.3298, 94.1119, 31.3843**, and **31.9266, 34.8636, 5.0466** is the 20% darker color. If you saturate the color by 10%, you get **60.0921, 64.7881, 11.0643**, and if you desaturate by 10%, it is **63.4295, 69.3468, 18.7002**.

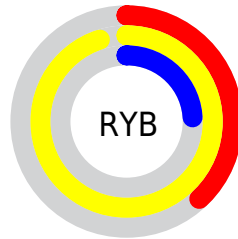
# Distribution



Red (95%)

Green (84%)

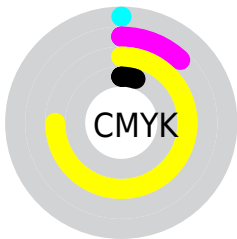
Blue (24%)



Red (38%)

Yellow (95%)

Blue (24%)

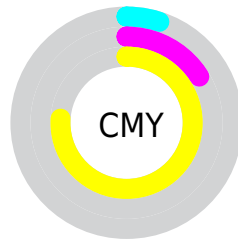


Cyan (0%)

Magenta (12%)

Yellow (75%)

Black (5%)



Cyan (5%)

Magenta (16%)

Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5987, 66.9801, 14.0967 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 61.5987, 66.9801, 14.0967 by changing the saturation by 10% instead.



61.5987, 66.9801,  
14.0967

61.5987, 66.9801,  
14.0967

420.2067,  
449.8739, 229.2809

44.9629, 49.0685,  
8.0484

106.2385,  
114.8919, 33.9801

31.6294, 34.6738,  
4.0377

134.9733,  
145.6608, 48.6523

21.2327, 23.4117,  
1.6461

168.4717,  
181.4843, 67.0363

13.4077, 14.8978,  
0.3234

207.0992,  
222.7468, 89.5505

7.7888, 8.7477,  
0.0000

251.2211,  
269.8326, 116.6135

4.0108, 4.5770,  
0.0000

301.2027,

1.7082, 2.0013,

323.1261, 148.6439

0.0000

357.4095,  
383.0117, 186.0602

■ 0.4614, 0.6082,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.5987, 66.9801,  
14.0967

■ 61.5987, 66.9801,  
14.0967

■ 60.0921, 64.7881,  
11.0643

■ 63.4295, 69.3468,  
18.7002


■ 58.8614, 62.7434,  
9.3693


■ 65.6155, 71.8930,  
25.0579


■ 58.3067, 61.7441,  
8.8447


■ 68.1891, 74.6346,  
33.3316


■ 71.1774, 77.5828,  
43.6639

 74.6050, 80.7476,  
56.1839

 78.4947, 84.1383,  
71.0098

 82.8674, 87.7637,  
88.2515

 87.6775, 91.6058,  
107.6683

 88.9025, 94.0558,  
108.0767

# Harmonies

## Analogous

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



79.0659, 66.9801, 17.4693



61.5987, 66.9801, 14.0967



47.3721, 66.9801, 19.8770

# Triad

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



61.5987, 66.9801, 14.0967



40.4003, 66.9801, 137.2276



97.2229, 66.9801, 122.0488

# Complementary

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



61.5987, 66.9801, 14.0967



21.8433, 14.9452, 86.5269

# 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.



83.3155, 66.9801, 180.0904



61.5987, 66.9801, 14.0967



50.4022, 66.9801, 191.2300

# Square

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



61.5987, 66.9801, 14.0967



36.5696, 66.9801, 79.0705



65.7720, 66.9801, 209.6190



101.6296, 66.9801, 67.1158



# Rectangle

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



61.5987, 66.9801, 14.0967



41.0217, 66.9801, 30.7413



65.7720, 66.9801, 209.6190



93.3968, 66.9801, 142.5135

# Sweetspot

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



61.6002, 66.9833, 14.0980



84.4184, 91.1413, 67.1147



40.5339, 23.1538, 12.3068



17.8272, 19.2931, 13.4565



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.



61.6002, 66.9833, 14.0980



66.2797, 71.0500, 11.1689



52.2634, 74.4236, 16.0263



17.6686, 18.8213, 17.4992



32.0863, 34.0581, 4.8827



2.8806, 3.1145, 0.4493



# Inverse Universe

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



21.8433, 14.9452, 86.5269



20.2587, 11.0239, 95.6678



25.8260, 13.9226, 86.1196



15.8018, 16.3678, 20.8690



9.3605, 4.5148, 46.9161



0.8853, 0.5220, 4.1443



# Previews

## White Background



This preview shows how the XYZ color 61.5987, 66.9801, 14.0967 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 61.5987, 66.9801, 14.0967 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 61.5987, 66.9801, 14.0967**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.5987, 66.9801, 14.0967.



This preview shows how white text looks on a background with the XYZ color 61.5987, 66.9801,



# 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

61.5987, 66.9801, 14.0967

### Protanopia

60.8241, 66.9553, 14.1328

### Deuteranopia

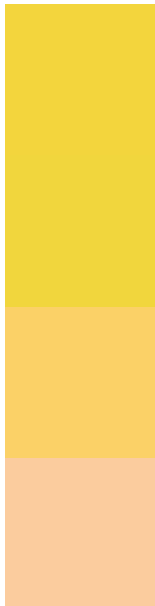
67.1421, 66.9349, 29.4596



## Tritanopia

73.8010, 66.9619, 72.6535

# Trichromacy



## Original Color

61.5987, 66.9801, 14.0967

## Protanomaly

61.1645, 67.1308, 14.1487

## Deuteranomaly

65.0323, 67.0894, 22.3539

## Tritanomaly

67.5481, 66.1636, 41.5584

# Monochromacy



## Original Color

61.5987, 66.9801, 14.0967

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

57.5191, 62.4717, 39.1637

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5987, 66.9801, 14.0967 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(243, 213, 61)` looks like.

```
.text, #text, p{  
    color:rgb(243, 213, 61)  
}
```

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(243, 213, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 213, 61) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5987, 66.9801, 14.0967 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(243, 213, 61) }
```



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

```
.border{ border-color:rgb(243, 213, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 213, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 213, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 213, 61);  
box-shadow:4px 4px 4px 4px rgb(243, 213,  
61) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5987, 66.9801, 14.0967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 213, 61) }
```

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

```
.background{ background-color: rgb(243,  
213, 61) }
```

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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