

Converting Colors

XYZ(96.4980, 83.4511, 16.1528)

Have a look what the booklet for
XYZ(96.4980, 83.4511, 16.1528)
contains.

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Color

**XYZ(65.0238, 67.2543,
14.7085)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD142
RGB	255, 209, 66
RGB Percent	100%, 82%, 26%
CMY	0.0000, 0.1804, 0.7412
CMYK	0.00, 0.18, 0.74, 0.00
HSL	45°, 100%, 63%
HSV	45°, 74%, 100%
XYZ	65.0238, 67.2543, 14.7085
YIQ	206.4520, 73.3190, -34.7210

Conversions

Conversions Part 2

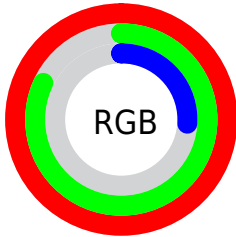
Format	Color
RYB	127, 255, 66
Decimal	16765250
CIELab	85.63, 2.50, 72.61
CIELCh	86, 72.651, 88.028
Yxy	67.2543, 0.4424, 0.4576
Android (android.graphics.Color)	4294955330 (0xFFFFD142)
YUV	206.4520, -69.2428, 42.5766
Hunter-Lab	82.0087, -1.9846, 46.7723

Details

The XYZ color **65.0238, 67.2543, 14.7085** 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 **26.0908, 19.9660, 97.0856**, and the grayscale version is **59.3553, 62.4464, 68.0042**.

A 20% lighter version of the original color is **80.5752, 94.2101, 32.6765**, and **33.9695, 34.9120, 4.9483** is the 20% darker color. If you saturate the color by 10%, you get **62.9404, 64.0347, 11.0954**, and if you desaturate by 10%, it is **67.5044, 70.7330, 20.1071**.

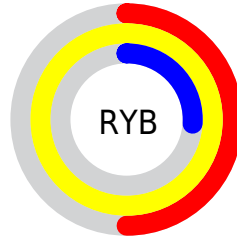
Distribution



Red (100%)

Green (82%)

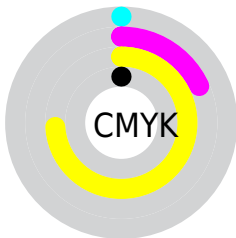
Blue (26%)



Red (50%)

Yellow (100%)

Blue (26%)

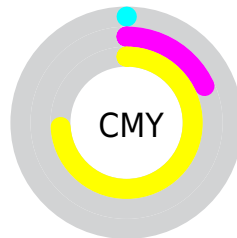


Cyan (0%)

Magenta (18%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0238, 67.2543, 14.7085 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 65.0238, 67.2543, 14.7085 by changing the saturation by 10% instead.


 65.0238, 67.2543,
14.7085

 65.0238, 67.2543,
14.7085


432.4214,
450.8494, 233.1747


 47.7451, 49.2913,
8.4707


 111.1496,
115.2847, 35.0760


 33.8355, 34.8506,
4.3055


 140.7274,
146.1209, 50.0428

 22.9296, 23.5478,
1.7944

 175.1357,
182.0170, 68.7564

 14.6619, 14.9985,
0.4243

 214.7398,
223.3574, 91.6353

 8.6672, 8.8184,
0.0000

 259.9051,
270.5264, 119.0980

 4.5801, 4.6229,
0.0000

310.9969,

 2.0353, 2.0277,

323.9085, 151.5632

0.0000

368.3805,
383.8880, 189.4492

■ 0.6537, 0.6235,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.0238, 67.2543,
14.7085

■ 65.0238, 67.2543,
14.7085

■ 62.9404, 64.0347,
11.0954

■ 67.5044, 70.7330,
20.1071

■ 61.2006, 61.0436,
9.0091

■ 70.4177, 74.4781,
27.4954

■ 60.2974, 59.3752,
8.2826

■ 73.8000, 78.5078,
37.0541

■ 77.6821, 82.8353,
48.9425

■ 82.0918, 87.4730,
63.3049

■ 87.0551, 92.4320,
80.2737

■ 92.5958, 97.7229,
99.9720

■ 95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



82.2854, 67.2543, 19.9517



65.0238, 67.2543, 14.7085



50.1129, 67.2543, 18.6632

Triad

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



65.0238, 67.2543, 14.7085



39.7588, 67.2543, 124.9090



94.8761, 67.2543, 132.8202

Complementary

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



65.0238, 67.2543, 14.7085



26.0908, 19.9660, 97.0856

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.



80.0628, 67.2543, 186.6441



65.0238, 67.2543, 14.7085



48.5186, 67.2543, 180.8569

Square

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



65.0238, 67.2543, 14.7085



37.1155, 67.2543, 70.1389



62.8351, 67.2543, 207.1866



101.2672, 67.2543, 76.4076

Rectangle

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



65.0238, 67.2543, 14.7085



43.0737, 67.2543, 27.6439



62.8351, 67.2543, 207.1866



90.6036, 67.2543, 152.5927

Sweetspot

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



65.0253, 67.2576, 14.7098



83.0956, 88.4957, 66.6737



46.1831, 26.3548, 18.3506



17.5116, 18.6619, 13.3513



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.



65.0253, 67.2576, 14.7098



62.0515, 62.5468, 9.9040



62.6855, 85.2866, 18.3131



19.1647, 20.2977, 19.0521



31.6298, 31.2708, 4.3688



3.1648, 3.2149, 0.4537

Inverse Universe

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



26.0908, 19.9660, 97.0856



21.6449, 13.6968, 96.1107



26.8411, 14.6445, 96.0189



17.3619, 18.0955, 22.8277



10.4298, 5.7691, 49.9984



1.0965, 0.7237, 4.8952

Previews

White Background



This preview shows how the XYZ color 65.0238, 67.2543, 14.7085 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 65.0238, 67.2543, 14.7085 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 65.0238, 67.2543, 14.7085

Background



This preview shows how black text looks on a background with the XYZ color 65.0238, 67.2543, 14.7085.



This preview shows how white text looks on a background with the XYZ color 65.0238, 67.2543,

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

65.0238, 67.2543, 14.7085

Protanopia

61.2487, 67.5314, 15.1169

Deuteranopia

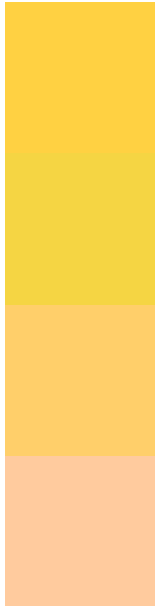
67.2738, 66.9876, 30.1531



Tritanopia

73.6521, 67.2717, 70.7309

Trichromacy



Original Color

65.0238, 67.2543, 14.7085

Protanomaly

62.4636, 67.4062, 15.0287

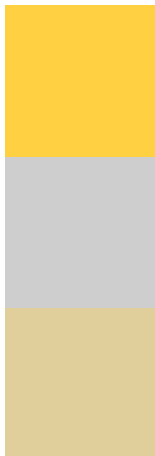
Deuteranomaly

66.1543, 66.9263, 23.0670

Tritanomaly

68.7675, 66.4405, 41.5476

Monochromacy



Original Color

65.0238, 67.2543, 14.7085

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.9697, 62.8395, 40.0315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0238, 67.2543, 14.7085 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(255, 209, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 66)  
}
```

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(255, 209, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 66) }
```

Border

The CSS property to change the border of an element to XYZ 65.0238, 67.2543, 14.7085 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(255, 209, 66) }
```


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

```
.border{ border-color:rgb(255, 209, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0238, 67.2543, 14.7085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 66) }
```

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

```
.background{ background-color: rgb(255,  
209, 66) }
```

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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