

Converting Colors

XYZ(65.3077, 67.3809, 16.1628)

Have a look what the booklet for
XYZ(65.3077, 67.3809, 16.1628)
contains.

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Color

**XYZ(65.3105, 67.3689,
16.2179)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD14B
RGB	255, 209, 75
RGB Percent	100%, 82%, 29%
CMY	0.0000, 0.1804, 0.7059
CMYK	0.00, 0.18, 0.71, 0.00
HSL	45°, 100%, 65%
HSV	45°, 71%, 100%
XYZ	65.3105, 67.3689, 16.2179
YIQ	207.4780, 70.4300, -31.9220

Conversions

Conversions Part 2

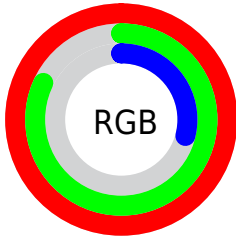
Format	Color
RYB	137, 255, 75
Decimal	16765259
CIELab	85.69, 2.90, 69.31
CIELCh	86, 69.371, 87.606
Yxy	67.3689, 0.4386, 0.4525
Android (android.graphics.Color)	4294955339 (0xFFFFD14B)
YUV	207.4780, -65.3117, 41.6768
Hunter-Lab	82.0786, -1.6037, 45.7399

Details

The XYZ color **65.3105, 67.3689, 16.2179** 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 **27.7889, 22.3901, 97.4643**, and the grayscale version is **59.9951, 63.1195, 68.7372**.

A 20% lighter version of the original color is **81.0967, 94.4187, 35.4231**, and **33.9750, 34.9142, 4.9772** is the 20% darker color. If you saturate the color by 10%, you get **63.0408, 63.9577, 11.9843**, and if you desaturate by 10%, it is **67.9982, 71.0572, 22.3165**.

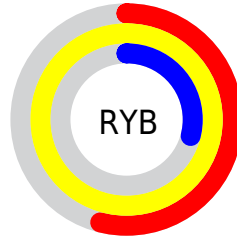
Distribution



Red (100%)

Green (82%)

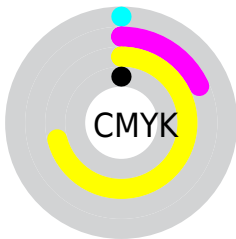
Blue (29%)



Red (54%)

Yellow (100%)

Blue (29%)

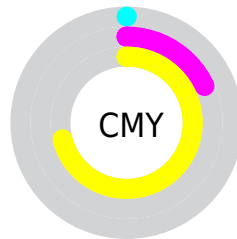


Cyan (0%)

Magenta (18%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3105, 67.3689, 16.2179 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 65.3105, 67.3689, 16.2179 by changing the saturation by 10% instead.


 65.3105, 67.3689,
16.2179


 65.3105, 67.3689,
16.2179


433.4345,
451.2567, 242.5135

 47.9785, 49.3845,
9.5225


 111.5594,
115.4488, 37.7481


 34.0211, 34.9246,
4.9821


 141.2070,
146.3132, 53.4200


 23.0727, 23.6048,
2.1782


 175.6905,
182.2396, 72.9210

 14.7682, 15.0407,
0.6617

 215.3753,
223.6125, 96.6699

 8.7421, 8.8480,
0.0000

 260.6268,
270.8162, 125.0850

 4.6291, 4.6421,
0.0000

311.8102,

 2.0638, 2.0389,

324.2353, 158.5849

0.0000

369.2910,
384.2540, 197.5883

■ 0.6694, 0.6299,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3105, 67.3689,
16.2179

■ 65.3105, 67.3689,
16.2179

■ 63.0408, 63.9577,
11.9843

■ 67.9982, 71.0572,
22.3165

■ 61.1390, 60.7945,
9.3765

■ 71.1374, 75.0293,
30.4729

■ 59.6189, 58.0181,
8.0564

■ 74.7628, 79.3029,
40.8599

■ 78.9044, 83.8911,
53.6311

83.5892, 88.8060,
68.9263

88.8426, 94.0588,
86.8745

94.6879, 99.6600,
107.5958

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



81.7399, 67.3689, 21.6600



65.3105, 67.3689, 16.2179



50.9520, 67.3689, 20.0869

Triad

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



65.3105, 67.3689, 16.2179



40.6927, 67.3689, 121.5502



93.2869, 67.3689, 130.5868

Complementary

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



65.3105, 67.3689, 16.2179



27.7889, 22.3901, 97.4643

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.



79.1787, 67.3689, 180.7260



65.3105, 67.3689, 16.2179



49.0864, 67.3689, 174.1722

Square

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



65.3105, 67.3689, 16.2179



38.2064, 67.3689, 69.7760



62.7705, 67.3689, 199.2699



99.4645, 67.3689, 77.0508

Rectangle

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



65.3105, 67.3689, 16.2179



44.1013, 67.3689, 28.9163



62.7705, 67.3689, 199.2699



89.2117, 67.3689, 149.1115

Sweetspot

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



65.3120, 67.3722, 16.2192



83.3848, 88.5966, 68.2423



47.3315, 27.7228, 21.5963



17.5603, 18.6665, 13.6535



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.



65.3120, 67.3722, 16.2192



62.1592, 62.5322, 10.6487



64.4707, 86.1739, 19.8927



19.1452, 20.2586, 19.0456



31.2786, 30.5685, 4.2517



3.1332, 3.1517, 0.4432

Inverse Universe

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



27.7889, 22.3901, 97.4643



22.8289, 15.5774, 96.4113



27.9029, 16.0349, 96.2317



17.3802, 18.1320, 22.8337



10.5243, 5.9583, 50.0299



1.1079, 0.7465, 4.8990

Previews

White Background



This preview shows how the XYZ color 65.3105, 67.3689, 16.2179 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 65.3105, 67.3689, 16.2179 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 65.3105, 67.3689, 16.2179

Background



This preview shows how black text looks on a background with the XYZ color 65.3105, 67.3689, 16.2179.



This preview shows how white text looks on a background with the XYZ color 65.3105, 67.3689,

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

65.3105, 67.3689, 16.2179

Protanopia

61.5752, 67.6620, 16.8359

Deuteranopia

67.6496, 67.5243, 30.9407



Tritanopia

73.6521, 67.2717, 70.7309

Trichromacy



Original Color

65.3105, 67.3689, 16.2179

Protanomaly

62.7549, 67.5228, 16.5631

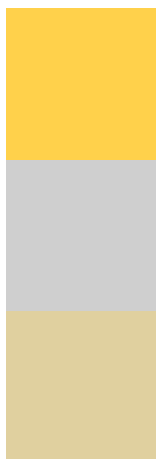
Deuteranomaly

66.6651, 67.5194, 24.5579

Tritanomaly

69.1175, 66.5805, 43.3909

Monochromacy



Original Color

65.3105, 67.3689, 16.2179

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

59.5544, 63.4622, 41.9115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3105, 67.3689, 16.2179 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 75) }
```

Border

The CSS property to change the border of an element to XYZ 65.3105, 67.3689, 16.2179 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, 75) }
```


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

```
.border{ border-color:rgb(255, 209, 75) }
```

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, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3105, 67.3689, 16.2179 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, 75) }
```

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

```
.background{ background-color: rgb(255,  
209, 75) }
```

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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