

Converting Colors

XYZ(63.7212, 64.1902, 15.6887)

Have a look what the booklet for
XYZ(63.7212, 64.1902, 15.6887)
contains.

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Color

**XYZ(63.6305, 64.0091,
15.6579)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA4B
RGB	255, 202, 75
RGB Percent	100%, 79%, 29%
CMY	0.0000, 0.2078, 0.7059
CMYK	0.00, 0.21, 0.71, 0.00
HSL	42°, 100%, 65%
HSV	42°, 71%, 100%
XYZ	63.6305, 64.0091, 15.6579
YIQ	203.3690, 72.3550, -28.2610

Conversions

Conversions Part 2

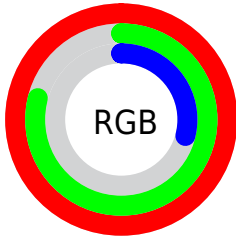
Format	Color
RYB	150, 255, 75
Decimal	16763467
CIELab	83.97, 6.49, 67.58
CIELCh	84, 67.892, 84.512
Yxy	64.0091, 0.4440, 0.4467
Android (android.graphics.Color)	4294953547 (0xFFFFCA4B)
YUV	203.3690, -63.2859, 45.2804
Hunter-Lab	80.0057, 1.9555, 44.4003

Details

The XYZ color **63.6305, 64.0091, 15.6579** 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 **28.6705, 24.1533, 97.7579**, and the grayscale version is **57.3523, 60.3391, 65.7092**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **32.8654, 32.6601, 4.7154** is the 20% darker color. If you saturate the color by 10%, you get **61.2079, 60.2922, 11.3734**, and if you desaturate by 10%, it is **66.4913, 68.0435, 21.8141**.

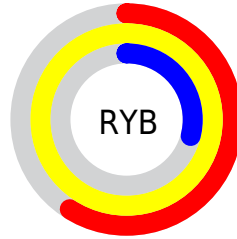
Distribution



Red (100%)

Green (79%)

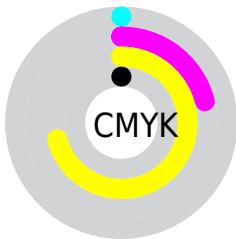
Blue (29%)



Red (59%)

Yellow (100%)

Blue (29%)

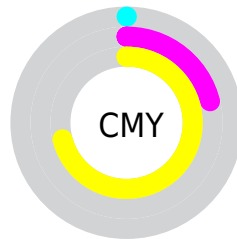


Cyan (0%)

Magenta (21%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6305, 64.0091, 15.6579 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 63.6305, 64.0091, 15.6579 by changing the saturation by 10% instead.


 63.6305, 64.0091,
15.6579


 63.6305, 64.0091,
15.6579


427.4775,
439.2225, 239.0909


 46.6120, 46.6580,
9.1307


 109.1553,
110.6240, 36.7618


 32.9357, 32.7654,
4.7285


 138.3924,
140.6567, 52.1755


 22.2362, 21.9468,
2.0329


 172.4331,
175.6854, 71.3884

 14.1481, 13.8178,
0.5754

 211.6427,
216.0945, 94.8192

 8.3062, 7.9941,
0.0000

 256.3865,
262.2683, 122.8863

 4.3449, 4.0911,
0.0000

307.0301,

 1.8991, 1.7247,

314.5913, 156.0082

0.0000

363.9386,
373.4479, 194.6036

■ 0.5763, 0.4396,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6305, 64.0091,
15.6579

■ 63.6305, 64.0091,
15.6579

■ 61.2079, 60.2922,
11.3734

■ 66.4913, 68.0435,
21.8141

■ 59.1733, 56.8631,
8.7213

■ 69.8243, 72.4032,
30.0350

■ 57.5458, 53.8722,
7.3654

■ 73.6647, 77.1068,
40.4936

■ 78.0427, 82.1681,
53.3436

■ 82.9861, 87.6000,
68.7248

■ 88.5202, 93.4144,
86.7665

94.6690, 99.6226,
107.5889

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.



79.1062, 64.0091, 21.8449



63.6305, 64.0091, 15.6579



49.6710, 64.0091, 18.4084

Triad

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



63.6305, 64.0091, 15.6579



38.2456, 64.0091, 109.7514



87.3856, 64.0091, 129.2712

Complementary

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



63.6305, 64.0091, 15.6579



28.6705, 24.1533, 97.7579

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.



73.5662, 64.0091, 174.6925



63.6305, 64.0091, 15.6579



45.6251, 64.0091, 160.5586

Square

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



63.6305, 64.0091, 15.6579



36.4687, 64.0091, 62.1118



58.1298, 64.0091, 188.0172



94.1874, 64.0091, 77.8716

Rectangle

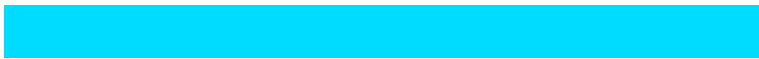
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.6305, 64.0091, 15.6579



42.8235, 64.0091, 25.9179



58.1298, 64.0091, 188.0172



83.3075, 64.0091, 146.4638

Sweetspot

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



63.6320, 64.0122, 15.6592



82.7708, 87.3686, 68.0376



47.7186, 27.8776, 23.6356



17.4132, 18.3723, 13.6045



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.



63.6320, 64.0122, 15.6592



60.2655, 58.7448, 10.0175



66.2433, 87.0875, 19.9755



19.0831, 20.1344, 19.0249



30.2050, 28.4212, 3.8939



3.0358, 2.9570, 0.4108

Inverse Universe

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



28.6705, 24.1533, 97.7579



23.6161, 17.1520, 96.6737



27.1221, 15.6323, 96.1948



17.4388, 18.2491, 22.8533



10.8605, 6.6307, 50.1420



1.1473, 0.8253, 4.9121

Previews

White Background



This preview shows how the XYZ color 63.6305, 64.0091, 15.6579 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 63.6305, 64.0091, 15.6579 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 63.6305, 64.0091, 15.6579

Background



This preview shows how black text looks on a background with the XYZ color 63.6305, 64.0091, 15.6579.



This preview shows how white text looks on a background with the XYZ color 63.6305, 64.0091,

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

63.6305, 64.0091, 15.6579

Protanopia

58.3178, 64.1214, 16.3242

Deuteranopia

64.8334, 64.1160, 23.1459



Tritanopia

71.3294, 63.8077, 66.3143

Trichromacy



Original Color

63.6305, 64.0091, 15.6579

Protanomaly

60.2353, 64.0247, 16.0207

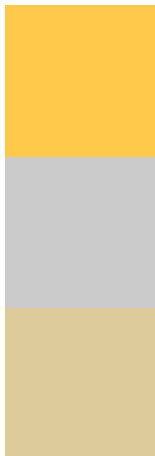
Deuteranomaly

64.2380, 63.8778, 20.0103

Tritanomaly

67.1515, 63.2085, 41.0089

Monochromacy



Original Color

63.6305, 64.0091, 15.6579

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

57.4809, 60.6418, 40.1280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6305, 64.0091, 15.6579 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, 202, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 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, 202, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 75) }
```

Border

The CSS property to change the border of an element to XYZ 63.6305, 64.0091, 15.6579 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, 202, 75) }
```


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

```
.border{ border-color:rgb(255, 202, 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, 202, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6305, 64.0091, 15.6579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 75) }
```

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

```
.background{ background-color: rgb(255,  
202, 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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