

Converting Colors

XYZ(63.1329, 62.9306, 15.7488)

Have a look what the booklet for
XYZ(63.1329, 62.9306, 15.7488)
contains.

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Color

**XYZ(63.2338, 63.1044,
15.8688)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC84D
RGB	255, 200, 77
RGB Percent	100%, 78%, 30%
CMY	0.0000, 0.2157, 0.6980
CMYK	0.00, 0.22, 0.70, 0.00
HSL	41°, 100%, 65%
HSV	41°, 70%, 100%
XYZ	63.2338, 63.1044, 15.8688
YIQ	202.4230, 72.2630, -26.5930

Conversions

Conversions Part 2

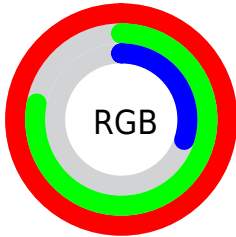
Format	Color
RYB	157, 255, 77
Decimal	16762957
CIELab	83.50, 7.62, 66.30
CIELCh	83, 66.733, 83.442
Yxy	63.1044, 0.4447, 0.4438
Android (android.graphics.Color)	4294953037 (0xFFFFC84D)
YUV	202.4230, -61.8335, 46.1100
Hunter-Lab	79.4383, 3.0711, 43.7629

Details

The XYZ color **63.2338, 63.1044, 15.8688** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed yellow. A complement of this color would be **29.3615, 25.2994, 97.9427**, and the grayscale version is **56.7479, 59.7032, 65.0168**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **32.5934, 32.0536, 4.8169** is the 20% darker color. If you saturate the color by 10%, you get **60.7263, 59.2591, 11.4281**, and if you desaturate by 10%, it is **66.1909, 67.2850, 22.2005**.

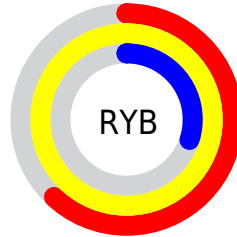
Distribution



Red (100%)

Green (78%)

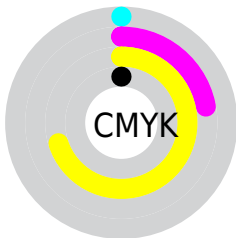
Blue (30%)



Red (62%)

Yellow (100%)

Blue (30%)

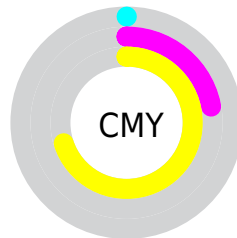


Cyan (0%)

Magenta (22%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (22%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2338, 63.1044, 15.8688 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 63.2338, 63.1044, 15.8688 by changing the saturation by 10% instead.


 63.2338, 63.1044,
15.8688


 63.2338, 63.1044,
15.8688


426.0637,
435.9483, 240.3855


 46.2897, 45.9257,
9.2780


 108.5867,
109.3201, 37.1339


 32.6801, 32.1872,
4.8237


 137.7262,
139.1259, 52.6453


 22.0396, 21.5045,
2.0873

 171.6615,
173.9095, 71.9673

 14.0027, 13.4933,
0.6082

 210.7581,
214.0553, 95.5185

 8.2043, 7.7691,
0.0000

 255.3813,
259.9476, 123.7173

 4.2788, 3.9475,
0.0000

305.8963,

 1.8611, 1.6443,

311.9710, 156.9824

0.0000

362.6687,
370.5097, 195.7323

■ 0.5541, 0.3872,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2338, 63.1044,
15.8688

■ 63.2338, 63.1044,
15.8688

■ 60.7263, 59.2591,
11.4281

■ 66.1909, 67.2850,
22.2005

■ 58.6187, 55.7195,
8.6429

■ 69.6315, 71.8091,
30.6140

■ 56.8408, 52.4577,
7.1440

■ 73.5906, 76.6954,
41.2806

■ 56.8075, 52.3954,
7.1192

■ 78.0984, 81.9580,
54.3530

■ 83.1825, 87.6102,
69.9702

■ 88.8685, 93.6640,
88.2606

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.



78.2494, 63.1044, 22.3302



63.2338, 63.1044, 15.8688



49.5157, 63.1044, 18.2749

Triad

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



63.2338, 63.1044, 15.8688



37.7837, 63.1044, 105.8006



85.3969, 63.1044, 128.3935

Complementary

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



63.2338, 63.1044, 15.8688



29.3615, 25.2994, 97.9427

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.



71.8209, 63.1044, 171.6579



63.2338, 63.1044, 15.8688



44.7997, 63.1044, 155.3421

Square

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



63.2338, 63.1044, 15.8688



36.2417, 63.1044, 59.9526



56.8375, 63.1044, 183.1233



92.3157, 63.1044, 78.2811

Rectangle

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



63.2338, 63.1044, 15.8688



42.7129, 63.1044, 25.3852



56.8375, 63.1044, 183.1233



81.3646, 63.1044, 144.9235

Sweetspot

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



63.2353, 63.1075, 15.8700



82.5430, 86.9129, 67.9617



48.1530, 28.2718, 25.2433



17.3587, 18.2632, 13.5863



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.



63.2353, 63.1075, 15.8700



59.7961, 57.7375, 10.0724



67.3360, 87.6429, 20.3897



19.0599, 20.0880, 19.0171



29.8221, 27.6555, 3.7662



3.0008, 2.8870, 0.3991

Inverse Universe

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



29.3615, 25.2994, 97.9427



24.2119, 18.1981, 96.8442



27.0893, 15.8200, 96.2328



17.4607, 18.2931, 22.8606



11.0000, 6.9095, 50.1885



1.1631, 0.8570, 4.9174

Previews

White Background



This preview shows how the XYZ color 63.2338, 63.1044, 15.8688 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 63.2338, 63.1044, 15.8688 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 63.2338, 63.1044, 15.8688

Background



This preview shows how black text looks on a background with the XYZ color 63.2338, 63.1044, 15.8688.



This preview shows how white text looks on a background with the XYZ color 63.2338, 63.1044,

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

63.2338, 63.1044, 15.8688

Protanopia

57.4905, 63.3212, 16.5893

Deuteranopia

64.0617, 63.0662, 21.3669



Tritanopia

70.6503, 62.8334, 64.9043

Trichromacy



Original Color

63.2338, 63.1044, 15.8688

Protanomaly

59.3816, 63.2179, 16.2803

Deuteranomaly

63.6392, 62.8972, 19.1421

Tritanomaly

66.6176, 62.2779, 40.4080

Monochromacy



Original Color

63.2338, 63.1044, 15.8688

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

56.7912, 59.5798, 40.4051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2338, 63.1044, 15.8688 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, 200, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 77)  
}
```

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, 200, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 77) }
```

Border

The CSS property to change the border of an element to XYZ 63.2338, 63.1044, 15.8688 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, 200, 77) }
```


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

```
.border{ border-color:rgb(255, 200, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2338, 63.1044, 15.8688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 77) }
```

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

```
.background{ background-color: rgb(255,  
200, 77) }
```

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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