

Converting Colors

XYZ(63.1886, 63.4453, 14.5238)

Have a look what the booklet for
XYZ(63.1886, 63.4453, 14.5238)
contains.

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Color

**XYZ(63.2008, 63.4630,
14.5488)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC945
RGB	255, 201, 69
RGB Percent	100%, 79%, 27%
CMY	0.0000, 0.2117, 0.7294
CMYK	0.00, 0.21, 0.73, 0.00
HSL	43°, 100%, 64%
HSV	43°, 73%, 100%
XYZ	63.2008, 63.4630, 14.5488
YIQ	202.0980, 74.5560, -29.6040

Conversions

Conversions Part 2

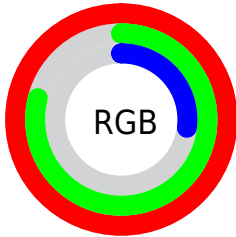
Format	Color
R_{YB}	145, 255, 69
Decimal	16763205
CIE Lab	83.69, 6.73, 69.62
CIE LCh	84, 69.949, 84.475
Yxy	63.4630, 0.4476, 0.4494
Android (android.graphics.Color)	4294953285 (0xFFFFC945)
YUV	202.0980, -65.6173, 46.3951
Hunter-Lab	79.6637, 2.2007, 44.9366

Details

The XYZ color **63.2008, 63.4630, 14.5488** 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 **27.5870, 22.6504, 97.5249**, and the grayscale version is **56.5661, 59.5119, 64.8085**.

A 20% lighter version of the original color is **80.7017, 94.2607, 33.3427**, and **32.6819, 32.3368, 4.5191** is the 20% darker color. If you saturate the color by 10%, you get **60.8889, 59.8458, 10.6765**, and if you desaturate by 10%, it is **65.9386, 67.3887, 20.2407**.

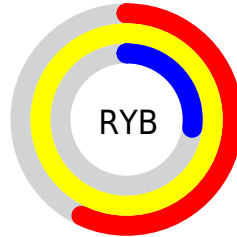
Distribution



Red (100%)

Green (79%)

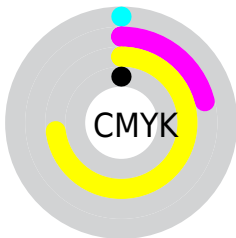
Blue (27%)



Red (57%)

Yellow (100%)

Blue (27%)

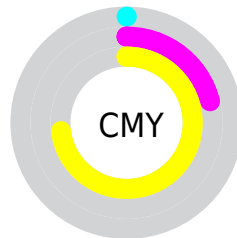


Cyan (0%)

Magenta (21%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2008, 63.4630, 14.5488 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 63.2008, 63.4630, 14.5488 by changing the saturation by 10% instead.

63.2008, 63.4630,
14.5488

63.2008, 63.4630,
14.5488

425.9460,
437.2479, 232.1647

46.2629, 46.2159,
8.3603

108.5393,
109.8372, 34.7907

32.6589, 32.4162,
4.2353

137.6707,
139.7331, 49.6811

22.0232, 21.6796,
1.7553

171.5973,
174.6140, 68.3093

13.9907, 13.6217,
0.3982

210.6845,
214.8643, 91.0937

8.1958, 7.8580,
0.0000

255.2976,
260.8685, 118.4529

4.2734, 4.0042,
0.0000

305.8019,

1.8579, 1.6759,

313.0109, 150.8054

0.0000

362.5630,
371.6759, 188.5698

■ 0.5522, 0.4080,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2008, 63.4630,
14.5488

■ 63.2008, 63.4630,
14.5488

■ 60.8889, 59.8458,
10.6765

■ 65.9386, 67.3887,
20.2407

■ 58.9504, 56.5066,
8.3723

■ 69.1377, 71.6313,
27.9530

■ 57.7586, 54.2977,
7.4363

■ 72.8344, 76.2095,
37.8635

■ 77.0594, 81.1375,
50.1298

■ 81.8409, 86.4283,
64.8948

■ 87.2049, 92.0938,
82.2898

■ 93.1756, 98.1454,
102.4370

■ 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.



79.1074, 63.4630, 20.6688



63.2008, 63.4630, 14.5488



48.9197, 63.4630, 17.2443

Triad

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



63.2008, 63.4630, 14.5488



37.2842, 63.4630, 110.2783



87.6120, 63.4630, 130.6306

Complementary

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



63.2008, 63.4630, 14.5488



27.5870, 22.6504, 97.5249

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.



73.3660, 63.4630, 177.8428



63.2008, 63.4630, 14.5488



44.7703, 63.4630, 163.0189

Square

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



63.2008, 63.4630, 14.5488



35.4922, 63.4630, 61.2913



57.5275, 63.4630, 191.6886



94.6497, 63.4630, 77.5462

Rectangle

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



63.2008, 63.4630, 14.5488



41.9453, 63.4630, 24.6893



57.5275, 63.4630, 191.6886



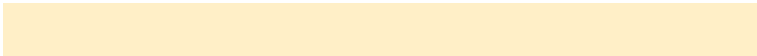
83.4019, 63.4630, 148.4776

Sweetspot

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



63.2023, 63.4661, 14.5500



82.3203, 86.9450, 66.4153



47.0571, 26.9923, 22.0659



17.3271, 18.2929, 13.2898



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.



63.2023, 63.4661, 14.5500



59.8651, 58.1228, 9.3324



65.6877, 86.8238, 18.9275



19.0897, 20.1475, 19.0271



30.3153, 28.6418, 3.9306



3.0459, 2.9771, 0.4141

Inverse Universe

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



27.5870, 22.6504, 97.5249



22.7624, 15.8236, 96.4623



26.1463, 14.5534, 96.0380



17.4325, 18.2367, 22.8512



10.8224, 6.5544, 50.1293



1.1429, 0.8165, 4.9106

Previews

White Background



This preview shows how the XYZ color 63.2008, 63.4630, 14.5488 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 63.2008, 63.4630, 14.5488 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 63.2008, 63.4630, 14.5488

Background



This preview shows how black text looks on a background with the XYZ color 63.2008, 63.4630, 14.5488.



This preview shows how white text looks on a background with the XYZ color 63.2008, 63.4630,

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

63.2008, 63.4630, 14.5488

Protanopia

57.8695, 63.5483, 15.1772

Deuteranopia

64.3425, 63.5478, 21.7067



Tritanopia

70.9887, 63.3189, 65.6070

Trichromacy



Original Color

63.2008, 63.4630, 14.5488

Protanomaly

59.7947, 63.4621, 14.8922

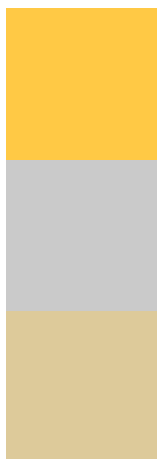
Deuteranomaly

63.7826, 63.3239, 18.7586

Tritanomaly

66.6715, 62.6568, 39.5903

Monochromacy



Original Color

63.2008, 63.4630, 14.5488

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

56.7721, 59.9463, 39.1504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2008, 63.4630, 14.5488 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, 201, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 69)  
}
```

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, 201, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 69) }
```

Border

The CSS property to change the border of an element to XYZ 63.2008, 63.4630, 14.5488 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, 201, 69) }
```


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

```
.border{ border-color:rgb(255, 201, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2008, 63.4630, 14.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 69) }
```

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

```
.background{ background-color: rgb(255,  
201, 69) }
```

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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