

Converting Colors

XYZ(63.4855, 65.5966, 9.8055)

Have a look what the booklet for
XYZ(63.4855, 65.5966, 9.8055)
contains.

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Color

**XYZ(63.4048, 65.4400,
9.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE10
RGB	255, 206, 16
RGB Percent	100%, 81%, 6%
CMY	0.0000, 0.1921, 0.9372
CMYK	0.00, 0.19, 0.94, 0.00
HSL	48°, 100%, 53%
HSV	48°, 94%, 100%
XYZ	63.4048, 65.4400, 9.7796
YIQ	198.9910, 90.1940, -48.7020

Conversions

Conversions Part 2

Format	Color
R_{YB}	78, 255, 16
Decimal	16764432
CIE _{Lab}	84.71, 2.79, 84.07
CIE _{LCh}	85, 84.117, 88.101
Yxy	65.4400, 0.4574, 0.4721
Android (android.graphics.Color)	4294954512 (0xFFFFCE10)
YUV	198.9910, -90.2146, 49.1199
Hunter-Lab	80.8950, -1.6595, 49.4588

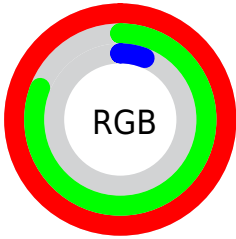
Details

The XYZ color **63.4048, 65.4400, 9.7796** is a light color, and the websafe version is hex **FFCC00**.

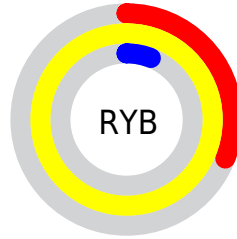
The color can be described as light washed yellow. A complement of this color would be **20.1548, 11.1121, 95.6895**, and the grayscale version is **54.7796, 57.6324, 62.7616**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **33.2206, 33.7939, 4.7720** is the 20% darker color. If you saturate the color by 10%, you get **62.5302, 63.8410, 9.0268**, and if you desaturate by 10%, it is **65.0016, 68.1287, 11.8698**.

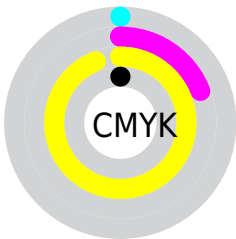
Distribution



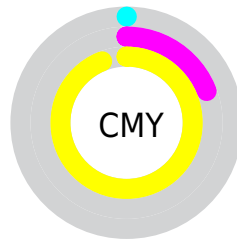
- Red (100%)
- Green (81%)
- Blue (6%)



- Red (31%)
- Yellow (100%)
- Blue (6%)



- Cyan (0%)
- Magenta (19%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4048, 65.4400, 9.7796 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 63.4048, 65.4400, 9.7796 by changing the saturation by 10% instead.


 63.4048, 65.4400,
9.7796


 63.4048, 65.4400,
9.7796


426.6735,
444.3715, 199.5191


 46.4286, 47.8179,
5.1494


 108.8318,
112.6822, 25.9814


 32.7903, 33.6827,
2.2749

 138.0134,
143.0712, 38.3901

 22.1243, 22.6500,
0.7171


 171.9942,
178.4845, 54.2287

 14.0654, 14.3353,
0.0000

 211.1396,
219.3067, 73.9157

 8.2481, 8.3542,
0.0000

 255.8148,
265.9221, 97.8697

 4.3073, 4.3224,
0.0000

 306.3853,

 1.8774, 1.8555,

318.7151, 126.5093

0.0000

363.2164,
378.0701, 160.2528

■ 0.5636, 0.5214,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.4048, 65.4400,
9.7796

■ 63.4048, 65.4400,
9.7796

■ 62.5302, 63.8410,
9.0268


■ 65.0016, 68.1287,
11.8698


■ 66.9277, 71.0141,
15.4927

■ 69.2331, 74.1195,
20.9019

■ 71.9572, 77.4612,
28.3042

 75.1343, 81.0536,
37.8778

 78.7949, 84.9094,
49.7812

 82.9666, 89.0403,
64.1581

 87.6747, 93.4570,
81.1406

 92.9430, 98.1695,
100.8512

Harmonies

Analogous

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



83.3287, 65.4400, 14.5391



63.4048, 65.4400, 9.7796



46.6748, 65.4400, 13.3817

Triad

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



63.4048, 65.4400, 9.7796



35.4447, 65.4400, 132.0051



98.2228, 65.4400, 141.1762

Complementary

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



63.4048, 65.4400, 9.7796



20.1548, 11.1121, 95.6895

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.



80.8316, 65.4400, 207.1945



63.4048, 65.4400, 9.7796



44.9817, 65.4400, 200.2810

Square

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



63.4048, 65.4400, 9.7796



32.6079, 65.4400, 67.8759



61.0081, 65.4400, 232.9459



105.7871, 65.4400, 74.7404

Rectangle

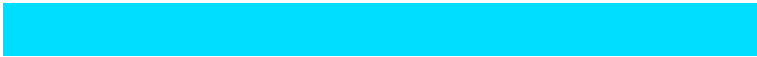
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.4048, 65.4400, 9.7796



38.9809, 65.4400, 22.0583



61.0081, 65.4400, 232.9459



93.1799, 65.4400, 165.1935

Sweetspot

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



63.4063, 65.4432, 9.7809



81.1168, 87.2379, 57.6911



42.4624, 22.0458, 7.4538



16.9840, 18.2947, 11.0544



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.



63.4063, 65.4432, 9.7809



62.5308, 63.8415, 9.0269



56.4174, 82.1580, 13.3755



19.2264, 20.4210, 19.0726



32.7840, 33.5792, 4.7535



3.2681, 3.4215, 0.4882

Inverse Universe

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



20.1548, 11.1121, 95.6895



19.2904, 9.7007, 95.4635



21.8674, 9.4634, 95.2810



17.3046, 17.9808, 22.8085



10.1639, 5.2373, 49.9098



1.0631, 0.6569, 4.8840

Previews

White Background



This preview shows how the XYZ color 63.4048, 65.4400, 9.7796 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 63.4048, 65.4400, 9.7796 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 63.4048, 65.4400, 9.7796

Background



This preview shows how black text looks on a background with the XYZ color 63.4048, 65.4400, 9.7796.



This preview shows how white text looks on a background with the XYZ color 63.4048, 65.4400,

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

63.4048, 65.4400, 9.7796

Protanopia

59.2576, 65.4847, 10.1327

Deuteranopia

65.6332, 65.1868, 25.0427



Tritanopia

72.2424, 65.2448, 67.8174

Trichromacy



Original Color

63.4048, 65.4400, 9.7796

Protanomaly

60.8120, 65.5493, 10.0194

Deuteranomaly

64.2080, 64.9958, 16.3690

Tritanomaly

66.4817, 64.4035, 32.9719

Monochromacy



Original Color

63.4048, 65.4400, 9.7796

Achromatopsia

54.2854, 57.1125, 62.1955

Achromatomaly

54.4988, 58.9671, 30.3392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4048, 65.4400, 9.7796 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, 206, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 16)  
}
```

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, 206, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 16) }
```

Border

The CSS property to change the border of an element to XYZ 63.4048, 65.4400, 9.7796 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, 206, 16) }
```


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

```
.border{ border-color:rgb(255, 206, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4048, 65.4400, 9.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 16) }
```

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

```
.background{ background-color: rgb(255,  
206, 16) }
```

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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