

Converting Colors

XYZ(86.0265, 75.0794, 20.9498)

Have a look what the booklet for
XYZ(86.0265, 75.0794, 20.9498)
contains.

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Color

**XYZ(64.2380, 63.8778,
20.0103)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC960
RGB	255, 201, 96
RGB Percent	100%, 79%, 38%
CMY	0.0000, 0.2117, 0.6235
CMYK	0.00, 0.21, 0.62, 0.00
HSL	40°, 100%, 69%
HSV	40°, 62%, 100%
XYZ	64.2380, 63.8778, 20.0103
YIQ	205.1760, 65.8890, -21.2070

Conversions

Conversions Part 2

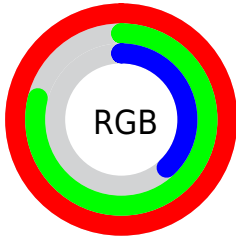
Format	Color
R_{YB}	178, 255, 96
Decimal	16763232
CIE _{Lab}	83.90, 8.18, 58.54
CIE _{LCh}	84, 59.104, 82.049
Yxy	63.8778, 0.4337, 0.4312
Android (android.graphics.Color)	4294953312 (0xFFFFC960)
YUV	205.1760, -53.8238, 43.6956
Hunter-Lab	79.9236, 3.6018, 41.1022

Details

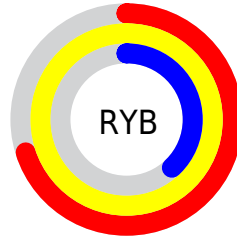
The XYZ color **64.2380, 63.8778, 20.0103** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.7798, 31.5183, 98.9106**, and the grayscale version is **58.4444, 61.4881, 66.9605**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **33.3573, 32.6367, 6.7319** is the 20% darker color. If you saturate the color by 10%, you get **61.2873, 59.5605, 14.1441**, and if you desaturate by 10%, it is **67.6862, 68.5812, 27.9214**.

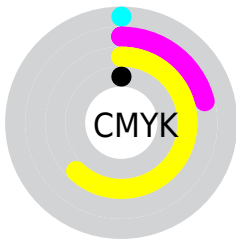
Distribution



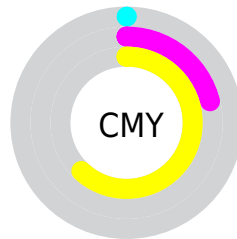
- Red (100%)
- Green (79%)
- Blue (38%)



- Red (70%)
- Yellow (100%)
- Blue (38%)



- Cyan (0%)
- Magenta (21%)
- Yellow (62%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2380, 63.8778, 20.0103 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 64.2380, 63.8778, 20.0103 by changing the saturation by 10% instead.


 64.2380, 63.8778,
20.0103

 64.2380, 63.8778,
20.0103


429.6372,
438.7482, 264.5770


 47.1059, 46.5517,
12.2184


 110.0254,
110.4349, 44.2937


 33.3277, 32.6814,
6.7682


 139.4115,
140.4348, 61.6222

 22.5380, 21.8825,
3.2413


 173.6128,
175.4279, 82.9666

 14.3716, 13.7706,
1.2191

 212.9949,
215.7989, 108.7456

 8.4630, 7.9613,
0.0000

257.9230,
261.9320, 139.3775

 4.4469, 4.0702,
0.0000

308.7625,

 1.9579, 1.7129,

314.2117, 175.2810

0.0000

365.8788,
373.0223, 216.8747

■ 0.6102, 0.4320,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2380, 63.8778,
20.0103

■ 64.2380, 63.8778,
20.0103

■ 61.2873, 59.5605,
14.1441

■ 67.6862, 68.5812,
27.9214

■ 58.7893, 55.6008,
10.1165

■ 71.6624, 73.6784,
38.0494

■ 56.6972, 51.9797,
7.6837

■ 76.1996, 79.1878,
50.5521

■ 55.3174, 49.4151,
6.6225

■ 81.3264, 85.1236,
65.5720

■ 87.0692, 91.4991,
83.2401

■ 93.4528, 98.3269,
103.6784

■ 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.



77.4228, 63.8778, 26.9925



64.2380, 63.8778, 20.0103



51.8040, 63.8778, 22.0587

Triad

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



64.2380, 63.8778, 20.0103



40.3652, 63.8778, 100.0416



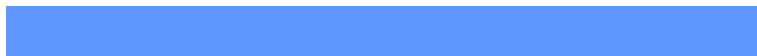
82.6381, 63.8778, 123.5292

Complementary

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



64.2380, 63.8778, 20.0103



33.7798, 31.5183, 98.9106

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.



70.5910, 63.8778, 159.2572



64.2380, 63.8778, 20.0103



46.6006, 63.8778, 142.6647

Square

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



64.2380, 63.8778, 20.0103



39.1674, 63.8778, 60.1112



57.3212, 63.8778, 167.2903



88.9920, 63.8778, 79.9330

Rectangle

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



64.2380, 63.8778, 20.0103



45.4617, 63.8778, 28.7819



57.3212, 63.8778, 167.2903



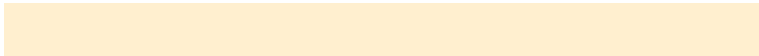
79.0447, 63.8778, 137.4165

Sweetspot

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



64.2395, 63.8809, 20.0116



83.1816, 87.2111, 71.1927



51.0620, 31.8818, 33.0190



17.4645, 18.2848, 14.2075



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.



64.2395, 63.8809, 20.0116



60.5835, 58.4778, 12.9075



70.8748, 89.3782, 24.5833



19.0113, 19.9908, 19.0009



29.0486, 26.1085, 3.5084



2.9297, 2.7448, 0.3754

Inverse Universe

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



33.7798, 31.5183, 98.9106



27.9584, 23.9221, 97.7516



29.9584, 19.5688, 96.8055



17.5072, 18.3859, 22.8761



11.3187, 7.5470, 50.2947



1.1986, 0.9278, 4.9292

Previews

White Background



This preview shows how the XYZ color 64.2380, 63.8778, 20.0103 looks on a white background.

Color Contrast Check

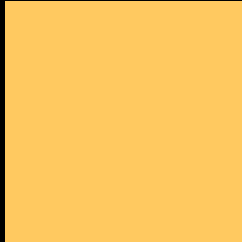
Large Text (above 18pt) WCAG AA × Fail

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 64.2380, 63.8778, 20.0103 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 64.2380, 63.8778, 20.0103

Background



This preview shows how black text looks on a background with the XYZ color 64.2380, 63.8778, 20.0103.



This preview shows how white text looks on a background with the XYZ color 64.2380, 63.8778,

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

64.2380, 63.8778, 20.0103

Protanopia

58.5774, 64.1498, 21.0992

Deuteranopia

64.8189, 63.7384, 24.2157



Tritanopia

71.3294, 63.8077, 66.3143

Trichromacy



Original Color

64.2380, 63.8778, 20.0103

Protanomaly

60.4526, 64.0328, 20.7286

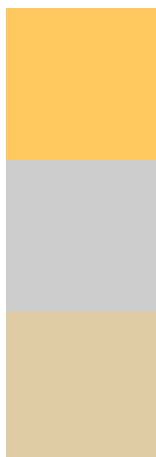
Deuteranomaly

64.4958, 63.6092, 22.5142

Tritanomaly

67.7715, 63.4565, 44.2737

Monochromacy



Original Color

64.2380, 63.8778, 20.0103

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

58.8158, 61.5903, 44.3855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2380, 63.8778, 20.0103 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 96) }
```

Border

The CSS property to change the border of an element to XYZ 64.2380, 63.8778, 20.0103 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, 96) }
```


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

```
.border{ border-color:rgb(255, 201, 96) }
```

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, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2380, 63.8778, 20.0103 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, 96) }
```

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

```
.background{ background-color: rgb(255,  
201, 96) }
```

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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