

Converting Colors

XYZ(82.9016, 73.9899, 20.8900)

Have a look what the booklet for
XYZ(82.9016, 73.9899, 20.8900)
contains.

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Color

**XYZ(64.4719, 64.3456,
20.0882)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA60
RGB	255, 202, 96
RGB Percent	100%, 79%, 38%
CMY	0.0000, 0.2078, 0.6235
CMYK	0.00, 0.21, 0.62, 0.00
HSL	40°, 100%, 69%
HSV	40°, 62%, 100%
XYZ	64.4719, 64.3456, 20.0882
YIQ	205.7630, 65.6140, -21.7300

Conversions

Conversions Part 2

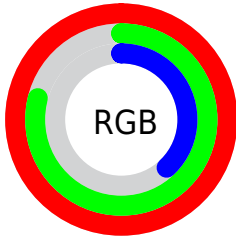
Format	Color
R_{YB}	176, 255, 96
Decimal	16763488
CIE Lab	84.15, 7.66, 58.81
CIE LCh	84, 59.305, 82.580
Yxy	64.3456, 0.4330, 0.4321
Android (android.graphics.Color)	4294953568 (0xFFFFCA60)
YUV	205.7630, -54.1132, 43.1808
Hunter-Lab	80.2157, 3.0886, 41.3032

Details

The XYZ color **64.4719, 64.3456, 20.0882** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.6209, 31.2005, 98.8576**, and the grayscale version is **58.8219, 61.8852, 67.3929**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **33.5135, 32.9491, 6.7839** is the 20% darker color. If you saturate the color by 10%, you get **61.5437, 60.0733, 14.2295**, and if you desaturate by 10%, it is **67.8936, 68.9961, 27.9905**.

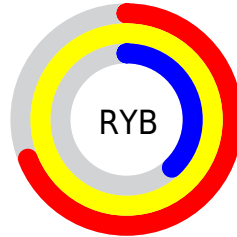
Distribution



Red (100%)

Green (79%)

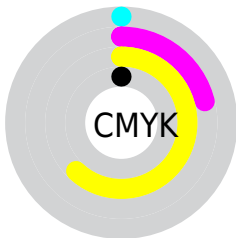
Blue (38%)



Red (69%)

Yellow (100%)

Blue (38%)

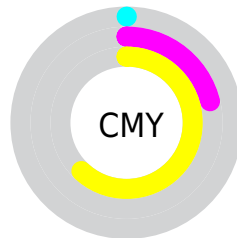


Cyan (0%)

Magenta (21%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4719, 64.3456, 20.0882 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 64.4719, 64.3456, 20.0882 by changing the saturation by 10% instead.

64.4719, 64.3456,
20.0882

64.4719, 64.3456,
20.0882

430.4670,
440.4366, 265.0122

47.2961, 46.9306,
12.2745

110.3602,
111.1085, 44.4259

33.4787, 32.9808,
6.8061

139.8034,
141.2252, 61.7870

22.6544, 22.1118,
3.2645

174.0665,
176.3447, 83.1676

14.4578, 13.9390,
1.2312

213.5148,
216.8513, 108.9862

8.5236, 8.0783,
0.0044

258.5136,
263.1294, 139.6615

4.4864, 4.1451,
0.0000

309.4284,

1.9808, 1.7550,

315.5633, 175.6118

0.0000

366.6244,
374.5376, 217.2559

■ 0.6231, 0.4589,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4719, 64.3456,
20.0882

■ 64.4719, 64.3456,
20.0882

■ 61.5437, 60.0733,
14.2295

■ 67.8936, 68.9961,
27.9905

■ 59.0643, 56.1510,
10.2081

■ 71.8393, 74.0321,
38.1082

■ 56.9872, 52.5596,
7.7803

■ 76.3417, 79.4720,
50.5994

■ 55.6163, 50.0129,
6.7222

■ 81.4295, 85.3298,
65.6062

■ 87.1289, 91.6186,
83.2599

■ 93.4647, 98.3507,
103.6822

■ 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.



77.7901, 64.3456, 26.9444



64.4719, 64.3456, 20.0882



51.9812, 64.3456, 22.3088

Triad

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



64.4719, 64.3456, 20.0882



40.7113, 64.3456, 101.5977



83.4421, 64.3456, 123.7212

Complementary

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



64.4719, 64.3456, 20.0882



33.6209, 31.2005, 98.8576

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.



71.3571, 64.3456, 160.0936



64.4719, 64.3456, 20.0882



47.0845, 64.3456, 144.4585

Square

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



64.4719, 64.3456, 20.0882



39.4132, 64.3456, 61.1461



57.9607, 64.3456, 168.7987



89.7148, 64.3456, 79.8038

Rectangle

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



64.4719, 64.3456, 20.0882



45.6392, 64.3456, 29.2149



57.9607, 64.3456, 168.7987



79.8489, 64.3456, 137.7955

Sweetspot

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



64.4734, 64.3487, 20.0895



83.2707, 87.3893, 71.2224



50.8479, 31.7962, 31.8918



17.4862, 18.3281, 14.2147



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.



64.4734, 64.3487, 20.0895



60.8453, 59.0013, 12.9948



70.0251, 88.9402, 24.5435



19.0213, 20.0107, 19.0043



29.2038, 26.4189, 3.5602



2.9440, 2.7734, 0.3802

Inverse Universe

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



33.6209, 31.2005, 98.8576



27.8013, 23.6080, 97.6992



30.3304, 19.7606, 96.8230



17.4976, 18.3668, 22.8729



11.2504, 7.4104, 50.2720



1.1911, 0.9128, 4.9267

Previews

White Background



This preview shows how the XYZ color 64.4719, 64.3456, 20.0882 looks on a white background.

Color Contrast Check

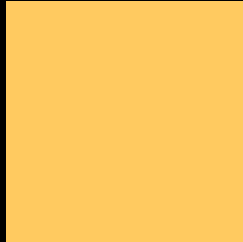
Large Text (above 18pt) WCAG AA × Fail

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 64.4719, 64.3456, 20.0882 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 64.4719, 64.3456, 20.0882

Background



This preview shows how black text looks on a background with the XYZ color 64.4719, 64.3456, 20.0882.



This preview shows how white text looks on a background with the XYZ color 64.4719, 64.3456,

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

64.4719, 64.3456, 20.0882

Protanopia

58.9030, 64.3177, 21.1144

Deuteranopia

65.2790, 64.2942, 25.4925



Tritanopia

71.6724, 64.2998, 67.0261

Trichromacy



Original Color

64.4719, 64.3456, 20.0882

Protanomaly

60.7931, 64.2083, 20.7446

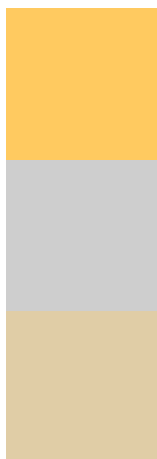
Deuteranomaly

64.8870, 64.1374, 23.4278

Tritanomaly

68.0892, 63.9457, 44.8305

Monochromacy



Original Color

64.4719, 64.3456, 20.0882

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

59.4547, 62.2631, 44.9608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4719, 64.3456, 20.0882 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 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, 202, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 96) }
```

Border

The CSS property to change the border of an element to XYZ 64.4719, 64.3456, 20.0882 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, 96) }
```


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

```
.border{ border-color:rgb(255, 202, 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, 202, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4719, 64.3456, 20.0882 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, 96) }
```

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

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