

Converting Colors

XYZ(70.5196, 65.1652, 21.1612)

Have a look what the booklet for
XYZ(70.5196, 65.1652, 21.1612)
contains.

XYZ(63.1041, 61.2298, 20.8045)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.1041, 61.2298,
20.8045)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC365
RGB	255, 195, 101
RGB Percent	100%, 76%, 40%
CMY	0.0000, 0.2353, 0.6039
CMYK	0.00, 0.24, 0.60, 0.00
HSL	37°, 100%, 70%
HSV	37°, 60%, 100%
XYZ	63.1041, 61.2298, 20.8045
YIQ	202.2240, 65.9340, -16.5140

Conversions

Conversions Part 2

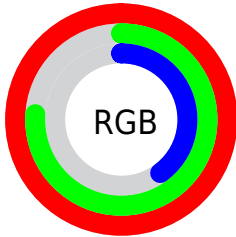
Format	Color
R_{YB}	199, 255, 101
Decimal	16761701
CIE _{Lab}	82.50, 11.61, 54.64
CIE _{LCh}	83, 55.858, 78.001
Yxy	61.2298, 0.4348, 0.4219
Android (android.graphics.Color)	4294951781 (0xFFFFC365)
YUV	202.2240, -49.9034, 46.2846
Hunter-Lab	78.2495, 7.0143, 39.0110

Details

The XYZ color **63.1041, 61.2298, 20.8045** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.1611, 35.4750, 99.5488**, and the grayscale version is **56.5534, 59.4986, 64.7940**.

A 20% lighter version of the original color is **81.5699, 92.5875, 44.1438**, and **32.7331, 31.1699, 7.1969** is the 20% darker color. If you saturate the color by 10%, you get **59.8913, 56.5032, 14.4968**, and if you desaturate by 10%, it is **66.8554, 66.4136, 29.2046**.

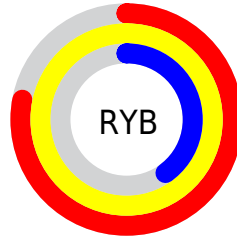
Distribution



Red (100%)

Green (76%)

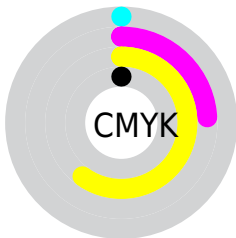
Blue (40%)



Red (78%)

Yellow (100%)

Blue (40%)

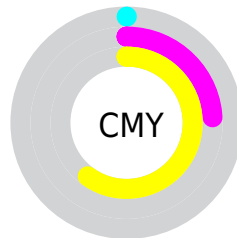


Cyan (0%)

Magenta (24%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (24%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.1041, 61.2298, 20.8045 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 63.1041, 61.2298, 20.8045 by changing the saturation by 10% instead.


 63.1041, 61.2298,
20.8045

 63.1041, 61.2298,
20.8045


425.6009,
429.1161, 268.9845


 46.1844, 44.4107,
12.7913


 108.4007,
106.6116, 45.6385


 32.5966, 30.9935,
7.1560


 137.5082,
135.9430, 63.2964

 21.9753, 20.5939,
3.4799


 171.4091,
170.2140, 85.0063

 13.9553, 12.8275,
1.3446

 210.4687,
209.8090, 111.1867

 8.1711, 7.3098,
0.0979

255.0523,
255.1122, 142.2562

 4.2573, 3.6566,
0.0000

305.5253,

 1.8487, 1.4834,

306.5083, 178.6333

0.0000

362.2530,
364.3814, 220.7366

■ 0.5468, 0.2770,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.1041, 61.2298,
20.8045

■ 63.1041, 61.2298,
20.8045

■ 59.8913, 56.5032,
14.4968

■ 66.8554, 66.4136,
29.2046

■ 57.1726, 52.2042,
10.0810


■ 71.1761, 72.0642,
39.8653

■ 54.9020, 48.3121,
7.3233

■ 76.0994, 78.2015,
52.9416

■ 53.0711, 44.9226,
5.8738

■ 81.6544, 84.8414,
68.5738

 87.8681, 91.9989,
86.8914

94.7657, 99.6879,
108.0149

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.



74.9590, 61.2298, 28.7577



63.1041, 61.2298, 20.8045



51.3835, 61.2298, 21.6355

Triad

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



63.1041, 61.2298, 20.8045



38.9713, 61.2298, 89.1342



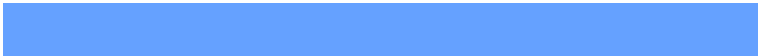
76.9903, 61.2298, 121.0826

Complementary

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



63.1041, 61.2298, 20.8045



36.1611, 35.4750, 99.5488

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.



65.5879, 61.2298, 150.8417



63.1041, 61.2298, 20.8045



44.1411, 61.2298, 128.4784

Square

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



63.1041, 61.2298, 20.8045



38.4968, 61.2298, 53.9068



53.5513, 61.2298, 153.9351



83.6799, 61.2298, 81.3011

Rectangle

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



63.1041, 61.2298, 20.8045



45.1699, 61.2298, 27.1063



53.5513, 61.2298, 153.9351



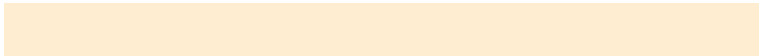
73.5152, 61.2298, 133.1010

Sweetspot

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



63.1055, 61.2328, 20.8057



83.0796, 86.5055, 72.7050



52.4690, 33.1979, 38.1058



17.4124, 18.0832, 14.4902



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.



63.1055, 61.2328, 20.8057



59.4218, 55.7832, 13.6641



73.9084, 90.9146, 25.9655



18.9324, 19.8329, 18.9746



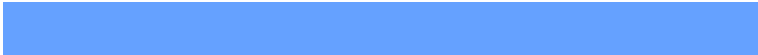
27.8803, 23.7719, 3.1190



2.8209, 2.5271, 0.3391

Inverse Universe

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



36.1611, 35.4750, 99.5488



30.4892, 28.1973, 98.4434



29.9599, 20.2685, 96.9405



17.5833, 18.5383, 22.9015



11.9142, 8.7379, 50.4932



1.2624, 1.0556, 4.9505

Previews

White Background



This preview shows how the XYZ color 63.1041, 61.2298, 20.8045 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 63.1041, 61.2298, 20.8045 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 63.1041, 61.2298, 20.8045

Background



This preview shows how black text looks on a background with the XYZ color 63.1041, 61.2298, 20.8045.



This preview shows how white text looks on a background with the XYZ color 63.1041, 61.2298,

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

63.1041, 61.2298, 20.8045

Protanopia

56.2997, 61.4934, 22.2667

Deuteranopia

62.5969, 61.3021, 20.8452



Tritanopia

69.5320, 61.3500, 62.2098

Trichromacy



Original Color

63.1041, 61.2298, 20.8045

Protanomaly

58.5443, 61.2451, 21.8326

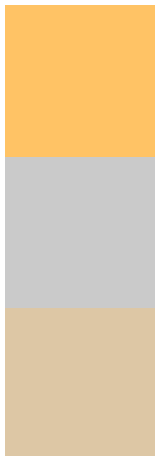
Deuteranomaly

62.9619, 61.4903, 20.8623

Tritanomaly

66.4817, 61.1659, 42.9526

Monochromacy



Original Color

63.1041, 61.2298, 20.8045

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

57.0337, 58.9356, 43.9670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1041, 61.2298, 20.8045 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, 195, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 101)  
}
```

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, 195, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 101) }
```

Border

The CSS property to change the border of an element to XYZ 63.1041, 61.2298, 20.8045 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, 195, 101) }
```


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

```
.border{ border-color:rgb(255, 195, 101) }
```

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

Here you see how a box with a 4 pixel rgb(255, 195, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1041, 61.2298, 20.8045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 101) }
```

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

```
.background{ background-color: rgb(255,  
195, 101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor