

Converting Colors

XYZ(77.0839, 61.3724, 21.5609)

Have a look what the booklet for
XYZ(77.0839, 61.3724, 21.5609)
contains.

XYZ(58.6464, 51.8266, 20.8224)	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(58.6464, 51.8266,
20.8224)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAC6B
RGB	255, 172, 107
RGB Percent	100%, 67%, 42%
CMY	0.0000, 0.3255, 0.5804
CMYK	0.00, 0.33, 0.58, 0.00
HSL	26°, 100%, 71%
HSV	26°, 58%, 100%
XYZ	58.6464, 51.8266, 20.8224
YIQ	189.4070, 70.3330, -2.6190

Conversions

Conversions Part 2

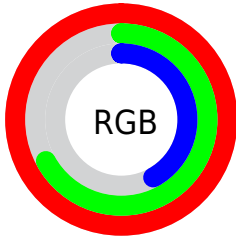
Format	Color
R _Y B	255, 223, 107
Decimal	16755819
CIE Lab	77.18, 24.04, 45.42
CIE LCh	77, 51.394, 62.107
Yxy	51.8266, 0.4467, 0.3947
Android (android.graphics.Color)	4294945899 (0xFFFFAC6B)
YUV	189.4070, -40.6267, 57.5251
Hunter-Lab	71.9907, 19.4293, 33.2446

Details

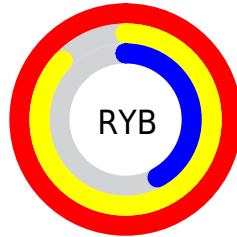
The XYZ color **58.6464, 51.8266, 20.8224** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.5258, 47.1704, 101.4708**, and the grayscale version is **48.8015, 51.3430, 55.9125**.

A 20% lighter version of the original color is **75.3286, 79.2849, 44.5910**, and **29.5835, 24.9584, 7.1291** is the 20% darker color. If you saturate the color by 10%, you get **54.9209, 46.2156, 13.9095**, and if you desaturate by 10%, it is **63.0627, 58.1868, 29.9177**.

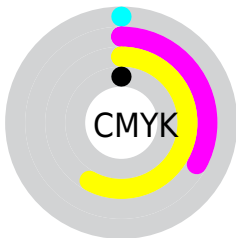
Distribution



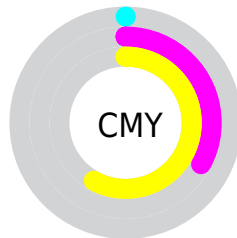
- Red (100%)
- Green (67%)
- Blue (42%)



- Red (100%)
- Yellow (87%)
- Blue (42%)



- Cyan (0%)
- Magenta (33%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6464, 51.8266, 20.8224 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 58.6464, 51.8266, 20.8224 by changing the saturation by 10% instead.


 58.6464, 51.8266,
20.8224

 58.6464, 51.8266,
20.8224


409.5054,
393.7668, 269.0831


 42.5738, 36.8669,
12.8043


 101.9811, 92.8755,
45.6687


 29.7439, 25.1044,
7.1648

 129.9740,
119.7334, 63.3340

 19.7914, 16.1549,
3.4853


 162.6710,
151.3262, 85.0520

 12.3509, 9.6338,
1.3475

 200.4375,
188.0382, 111.2414

 7.0570, 5.1569,
0.1002

243.6388,
230.2539, 142.3207

 3.5444, 2.3396,
0.0000

292.6403,

 1.4478, 0.7945,

278.3576, 178.7084

0.0000

347.8074,
332.7338, 220.8230

■ 0.2899, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6464, 51.8266,
20.8224

■ 58.6464, 51.8266,
20.8224

■ 54.9209, 46.2156,
13.9095

■ 63.0627, 58.1868,
29.9177

■ 51.8375, 41.3130,
8.9837

■ 68.2065, 65.3185,
41.3614

■ 49.3452, 37.0853,
5.8196

■ 74.1159, 73.2526,
55.3069

■ 47.3762, 33.4887,
4.1106

■ 80.8248, 82.0158,
71.8934

■ 47.0344, 32.8491,
3.8615

■ 88.3652, 91.6331,
91.2499

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.



67.0768, 51.8266, 32.2620



58.6464, 51.8266, 20.8224



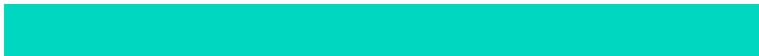
48.5675, 51.8266, 17.7674

Triad

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



58.6464, 51.8266, 20.8224



32.6755, 51.8266, 58.4455



60.0098, 51.8266, 115.8594

Complementary

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



58.6464, 51.8266, 20.8224



42.5258, 47.1704, 101.4708

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.



49.9583, 51.8266, 129.6982



58.6464, 51.8266, 20.8224



34.9150, 51.8266, 90.3879

Square

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



58.6464, 51.8266, 20.8224



34.3651, 51.8266, 34.6969



40.9320, 51.8266, 119.1065



67.9348, 51.8266, 85.7473

Rectangle

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



58.6464, 51.8266, 20.8224



42.4800, 51.8266, 19.6565



40.9320, 51.8266, 119.1065



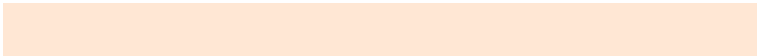
56.7247, 51.8266, 122.9481

Sweetspot

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



58.6476, 51.8292, 20.8234



81.5690, 82.9746, 73.7727



55.8871, 35.5314, 53.1263



17.1528, 17.3648, 15.0181



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.



58.6476, 51.8292, 20.8234



54.2671, 45.1991, 12.7931



76.5865, 87.7069, 26.8030



18.6659, 19.2999, 18.8858



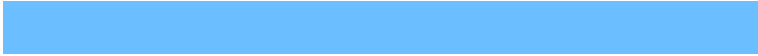
24.7193, 17.4499, 2.0653



2.5134, 1.9122, 0.2366

Inverse Universe

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



42.5258, 47.1704, 101.4708



36.7131, 40.0625, 100.4056



30.4595, 23.0378, 97.4487



17.8481, 19.0678, 22.9897



14.7150, 14.3396, 51.4268



1.5416, 1.6139, 5.0435

Previews

White Background



This preview shows how the XYZ color 58.6464, 51.8266, 20.8224 looks on a white background.

Color Contrast Check

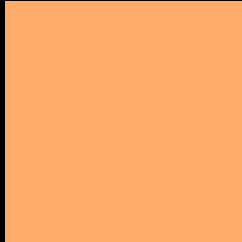
Large Text (above 18pt) WCAG AA × Fail

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 58.6464, 51.8266, 20.8224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

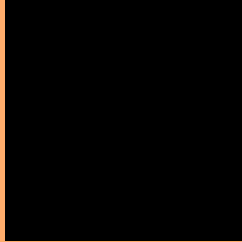
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.6464, 51.8266, 20.8224

Background



This preview shows how black text looks on a background with the XYZ color 58.6464, 51.8266, 20.8224.



This preview shows how white text looks on a background with the XYZ color 58.6464, 51.8266,

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

58.6464, 51.8266, 20.8224

Protanopia

47.9626, 52.0318, 23.4348

Deuteranopia

52.8820, 51.7995, 20.5757



Tritanopia

62.8120, 51.7068, 48.2648

Trichromacy



Original Color

58.6464, 51.8266, 20.8224

Protanomaly

51.3738, 51.5974, 22.2905

Deuteranomaly

54.7975, 51.5822, 20.7039

Tritanomaly

60.9101, 51.5323, 36.4422

Monochromacy



Original Color

58.6464, 51.8266, 20.8224

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

50.6321, 50.5163, 39.8829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6464, 51.8266, 20.8224 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, 172, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 107)  
}
```

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, 172, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 107) }
```

Border

The CSS property to change the border of an element to XYZ 58.6464, 51.8266, 20.8224 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, 172, 107) }
```


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

```
.border{ border-color:rgb(255, 172, 107) }
```

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

Here you see how a box with a 4 pixel rgb(255, 172, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6464, 51.8266, 20.8224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 107) }
```

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

```
.background{ background-color: rgb(255,  
172, 107) }
```

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