

Converting Colors

XYZ(63.1689, 44.4664, 16.3209)

Have a look what the booklet for
XYZ(63.1689, 44.4664, 16.3209)
contains.

XYZ(51.4676, 38.3371, 15.7535)	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(51.4676, 38.3371,
15.7535)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8360
RGB	255, 131, 96
RGB Percent	100%, 51%, 38%
CMY	0.0000, 0.4862, 0.6235
CMYK	0.00, 0.49, 0.62, 0.00
HSL	13°, 100%, 69%
HSV	13°, 62%, 100%
XYZ	51.4676, 38.3371, 15.7535
YIQ	164.0860, 85.1390, 15.4030

Conversions

Conversions Part 2

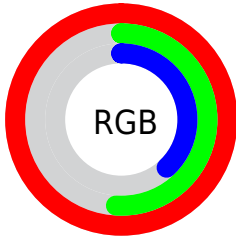
Format	Color
R_{YB}	255, 141, 96
Decimal	16745312
CIE _{Lab}	68.27, 44.31, 40.30
CIE _{LCh}	68, 59.894, 42.281
Yxy	38.3371, 0.4876, 0.3632
Android (android.graphics.Color)	4294935392 (0xFFFF8360)
YUV	164.0860, -33.5664, 79.7316
Hunter-Lab	61.9170, 40.0209, 28.2567

Details

The XYZ color **51.4676, 38.3371, 15.7535** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.4652, 60.8895, 103.8057**, and the grayscale version is **35.4551, 37.3015, 40.6213**.

A 20% lighter version of the original color is **64.0654, 58.4844, 35.5158**, and **25.2502, 16.9996, 4.7467** is the 20% darker color. If you saturate the color by 10%, you get **48.0589, 33.1040, 9.7344**, and if you desaturate by 10%, it is **55.7713, 44.7516, 23.9492**.

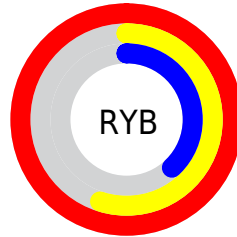
Distribution



Red (100%)

Green (51%)

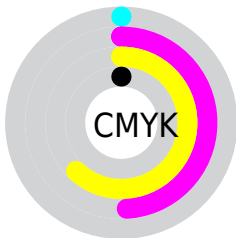
Blue (38%)



Red (100%)

Yellow (55%)

Blue (38%)

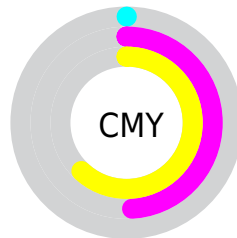


Cyan (0%)

Magenta (49%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (49%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4676, 38.3371, 15.7535 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 51.4676, 38.3371, 15.7535 by changing the saturation by 10% instead.


 51.4676, 38.3371,
15.7535


 51.4676, 38.3371,
15.7535


382.7356,
339.0638, 239.6786

 36.8034, 26.2444,
9.1974


 91.5245, 72.6245,
36.9306


 25.2283, 17.0066,
4.7716


 117.6479, 95.5881,
52.3886

 16.3769, 10.2392,
2.0575


 148.3218,
122.9440, 71.6511

 9.8838, 5.5578,
0.5903

 183.9115,
155.0768, 95.1365

 5.3836, 2.5781,
0.0000

224.7824,
192.3708, 123.2635

 2.5111, 0.9157,
0.0000

271.2998,

 0.9009, 0.0000,

235.2103, 156.4504

0.0000

323.8291,
283.9799, 195.1159

■ 0.0000, 0.0000,
0.0000

■ 51.4676, 38.3371,
15.7535

■ 51.4676, 38.3371,
15.7535

■ 48.0589, 33.1040,
9.7344

■ 55.7713, 44.7516,
23.9492

■ 45.4748, 28.9720,
5.6782

■ 61.0275, 52.4089,
34.5037

■ 43.6373, 25.8599,
3.3303

■ 67.2922, 61.3733,
47.5821

■ 42.6609, 24.1021,
2.4037

■ 74.6157, 71.7026,
63.3341

■ 83.0450, 83.4513,
81.8975

92.6245, 96.6708,
103.4009

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.



57.0415, 38.3371, 31.6964



51.4676, 38.3371, 15.7535



42.2041, 38.3371, 9.3503

Triad

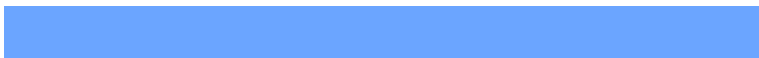
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.4676, 38.3371, 15.7535



21.8236, 38.3371, 27.9200



40.4086, 38.3371, 115.2314

Complementary

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



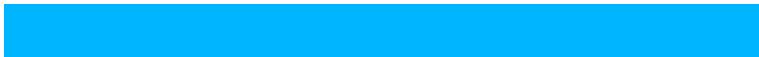
51.4676, 38.3371, 15.7535



48.4652, 60.8895, 103.8057

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.



31.2230, 38.3371, 112.7551



51.4676, 38.3371, 15.7535



21.5107, 38.3371, 53.7146

Square

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



51.4676, 38.3371, 15.7535



25.6068, 38.3371, 14.0134



24.6629, 38.3371, 86.9964



49.9604, 38.3371, 92.7696

Rectangle

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



51.4676, 38.3371, 15.7535



35.7254, 38.3371, 8.4900



24.6629, 38.3371, 86.9964



37.1605, 38.3371, 117.4904

Sweetspot

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



51.4685, 38.3391, 15.7542



77.3164, 75.4808, 69.2377



58.4140, 34.8224, 71.7352



16.0541, 15.4639, 13.7373



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.



51.4685, 38.3391, 15.7542



47.2977, 31.9060, 8.4789



66.3854, 68.1729, 20.7265



18.3336, 18.6354, 18.7750



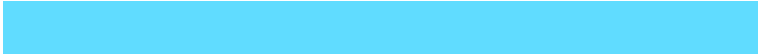
22.3806, 12.7724, 1.2857



2.2556, 1.3967, 0.1507

Inverse Universe

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



48.4652, 60.8895, 103.8057



43.9154, 55.8361, 103.0706



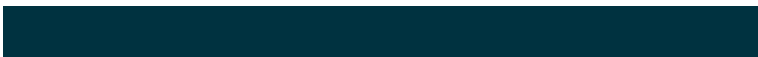
32.4063, 28.7716, 98.4527



18.1956, 19.7629, 23.1056



20.2015, 25.3127, 53.2557



2.0467, 2.6242, 5.2119

Previews

White Background



This preview shows how the XYZ color 51.4676, 38.3371, 15.7535 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 51.4676, 38.3371, 15.7535 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 51.4676, 38.3371, 15.7535

Background



This preview shows how black text looks on a background with the XYZ color 51.4676, 38.3371, 15.7535.



This preview shows how white text looks on a background with the XYZ color 51.4676, 38.3371,

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

51.4676, 38.3371, 15.7535

Protanopia

35.6351, 38.5653, 20.0337

Deuteranopia

39.1454, 38.3718, 15.0162



Tritanopia

53.2733, 38.2163, 27.8612

Trichromacy



Original Color

51.4676, 38.3371, 15.7535

Protanomaly

40.0667, 37.5206, 18.2272

Deuteranomaly

43.1106, 37.9556, 15.1792

Tritanomaly

52.4104, 38.0788, 22.6768

Monochromacy



Original Color

51.4676, 38.3371, 15.7535

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.9144, 36.1909, 29.3606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4676, 38.3371, 15.7535 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, 131, 96)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 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, 131, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 96) }
```

Border

The CSS property to change the border of an element to XYZ 51.4676, 38.3371, 15.7535 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, 131, 96) }
```


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

```
.border{ border-color:rgb(255, 131, 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, 131, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 96);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4676, 38.3371, 15.7535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 96) }
```

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

```
.background{ background-color: rgb(255,  
131, 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](#).

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