

Converting Colors

XYZ(50.5960, 38.1377, 10.7034)

Have a look what the booklet for
XYZ(50.5960, 38.1377, 10.7034)
contains.

XYZ(50.6286, 38.2175, 10.6695)	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(50.6286, 38.2175,
10.6695)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8447
RGB	255, 132, 71
RGB Percent	100%, 52%, 28%
CMY	0.0000, 0.4823, 0.7216
CMYK	0.00, 0.48, 0.72, 0.00
HSL	20°, 100%, 64%
HSV	20°, 72%, 100%
XYZ	50.6286, 38.2175, 10.6695
YIQ	161.8230, 92.8890, 7.1050

Conversions

Conversions Part 2

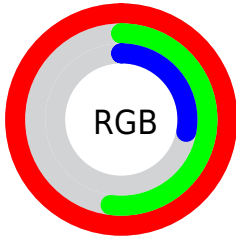
Format	Color
RYB	255, 162, 71
Decimal	16745543
CIELab	68.18, 42.46, 52.93
CIElCh	68, 67.861, 51.263
Yxy	38.2175, 0.5088, 0.3840
Android (android.graphics.Color)	4294935623 (0xFFFF8447)
YUV	161.8230, -44.7757, 81.7162
Hunter-Lab	61.8203, 37.9995, 33.0414

Details

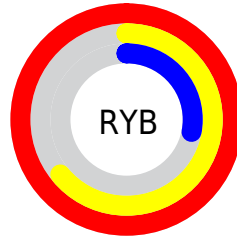
The XYZ color **50.6286, 38.2175, 10.6695** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **39.9387, 47.1399, 101.6010**, and the grayscale version is **34.4335, 36.2267, 39.4509**.

A 20% lighter version of the original color is **62.5232, 58.2058, 26.3519**, and **24.7332, 16.9943, 2.6385** is the 20% darker color. If you saturate the color by 10%, you get **47.8496, 33.7062, 6.5176**, and if you desaturate by 10%, it is **54.1301, 43.6254, 16.7554**.

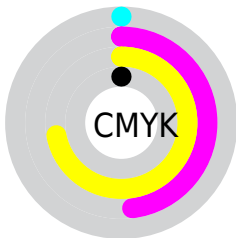
Distribution



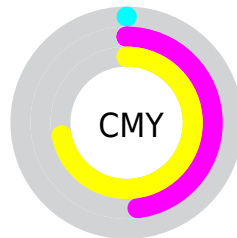
- Red (100%)
- Green (52%)
- Blue (28%)



- Red (100%)
- Yellow (64%)
- Blue (28%)



- Cyan (0%)
- Magenta (48%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6286, 38.2175, 10.6695 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 50.6286, 38.2175, 10.6695 by changing the saturation by 10% instead.


 50.6286, 38.2175,
10.6695


 50.6286, 38.2175,
10.6695


379.5306,
338.5521, 206.0412

 36.1330, 26.1515,
5.7337


 90.2918, 72.4414,
27.6746


 24.7075, 16.9370,
2.6177


 116.1901, 95.3681,
40.5810


 15.9868, 10.1896,
0.9016


 146.6199,
122.6839, 56.9814

 9.6056, 5.5249,
0.0000

 181.9468,
154.7730, 77.2942

 5.1985, 2.5584,
0.0000

 222.5359,
192.0201, 101.9381

 2.4002, 0.9058,
0.0000

268.7526,

 0.8452, 0.0000,

234.8093, 131.3315

0.0000

320.9624,
283.5252, 165.8931

■ 0.0000, 0.0000,
0.0000

■ 50.6286, 38.2175,
10.6695

■ 50.6286, 38.2175,
10.6695

■ 47.8496, 33.7062,
6.5176

■ 54.1301, 43.6254,
16.7554

■ 45.7260, 30.0304,
4.0483


■ 58.4068, 49.9733,
24.9803


■ 44.4527, 27.6859,
3.0010

■ 63.5087, 57.3085,
35.5249

■ 69.4807, 65.6731,
48.5500

■ 76.3639, 75.1066,
64.2020

 84.1967, 85.6463,
82.6156

 93.0154, 97.3277,
103.9166

95.0497, 99.9998,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.8207, 38.2175, 23.8315



50.6286, 38.2175, 10.6695



39.5093, 38.2175, 6.4751

Triad

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



50.6286, 38.2175, 10.6695



19.6747, 38.2175, 33.3606



44.2281, 38.2175, 123.1524

Complementary

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



50.6286, 38.2175, 10.6695



39.9387, 47.1399, 101.6010

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.



33.3158, 38.2175, 130.0720



50.6286, 38.2175, 10.6695



20.4493, 38.2175, 66.5713

Square

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



50.6286, 38.2175, 10.6695



22.6336, 38.2175, 14.7320



25.0056, 38.2175, 105.7647



54.6539, 38.2175, 89.8651

Rectangle

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



50.6286, 38.2175, 10.6695



32.4877, 38.2175, 6.6052



25.0056, 38.2175, 105.7647



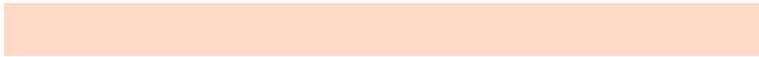
40.4522, 38.2175, 129.1194

Sweetspot

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



50.6295, 38.2196, 10.6702



76.4793, 75.2631, 64.4683



53.5406, 29.7855, 55.5905



15.9496, 15.5378, 12.8307



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.



50.6295, 38.2196, 10.6702



46.7438, 31.8250, 5.1291



68.3039, 73.5685, 16.5617



18.5013, 18.9708, 18.8309



23.3492, 14.7095, 1.6086



2.3688, 1.6230, 0.1884

Inverse Universe

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



39.9387, 47.1399, 101.6010



35.2961, 40.7740, 100.6176



25.6731, 18.6088, 96.8458



18.0177, 19.4069, 23.0462



17.1297, 19.1689, 52.2317



1.7682, 2.0671, 5.1191

Previews

White Background



This preview shows how the XYZ color 50.6286, 38.2175, 10.6695 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 50.6286, 38.2175, 10.6695 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 50.6286, 38.2175, 10.6695

Background



This preview shows how black text looks on a background with the XYZ color 50.6286, 38.2175, 10.6695.



This preview shows how white text looks on a background with the XYZ color 50.6286, 38.2175,

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

50.6286, 38.2175, 10.6695

Protanopia

35.1089, 38.4370, 13.5513

Deuteranopia

39.1647, 38.2338, 10.1661



Tritanopia

53.2025, 38.1880, 27.4886

Trichromacy



Original Color

50.6286, 38.2175, 10.6695

Protanomaly

39.5091, 37.3629, 12.3371

Deuteranomaly

42.8119, 37.9077, 10.3707

Tritanomaly

52.0149, 38.1304, 19.9476

Monochromacy



Original Color

50.6286, 38.2175, 10.6695

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.7940, 35.4540, 25.6202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6286, 38.2175, 10.6695 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, 132, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 71)  
}
```

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, 132, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 71) }
```

Border

The CSS property to change the border of an element to XYZ 50.6286, 38.2175, 10.6695 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, 132, 71) }
```


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

```
.border{ border-color:rgb(255, 132, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6286, 38.2175, 10.6695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 71) }
```

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

```
.background{ background-color: rgb(255,  
132, 71) }
```

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