

Converting Colors

XYZ(82.7465, 52.9204, 13.5829)

Have a look what the booklet for
XYZ(82.7465, 52.9204, 13.5829)
contains.

XYZ(49.8082, 36.0200, 12.1120)	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(49.8082, 36.0200,
12.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7B51
RGB	255, 123, 81
RGB Percent	100%, 48%, 32%
CMY	0.0000, 0.5176, 0.6823
CMYK	0.00, 0.52, 0.68, 0.00
HSL	14°, 100%, 66%
HSV	14°, 68%, 100%
XYZ	49.8082, 36.0200, 12.1120
YIQ	157.6800, 92.1540, 14.9220

Conversions

Conversions Part 2

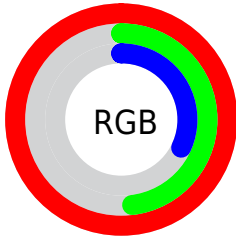
Format	Color
RYB	255, 136, 81
Decimal	16743249
CIELab	66.54, 47.36, 46.12
CIELCh	67, 66.100, 44.240
Yxy	36.0200, 0.5086, 0.3678
Android (android.graphics.Color)	4294933329 (0xFFFF7B51)
YUV	157.6800, -37.8032, 85.3496
Hunter-Lab	60.0167, 43.1091, 30.0463

Details

The XYZ color **49.8082, 36.0200, 12.1120** is a light color, and the websafe version is hex **FF6633**. The color can be described as light muted orange. A complement of this color would be **45.2358, 56.5543, 103.1391**, and the grayscale version is **32.4921, 34.1842, 37.2266**.

A 20% lighter version of the original color is **61.3253, 54.7667, 29.1686**, and **24.2029, 15.6966, 3.1930** is the 20% darker color. If you saturate the color by 10%, you get **46.8581, 31.3738, 7.2639**, and if you desaturate by 10%, it is **53.5929, 41.7619, 19.0090**.

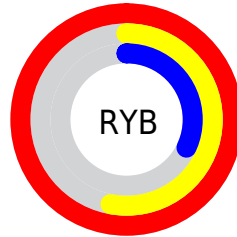
Distribution



Red (100%)

Green (48%)

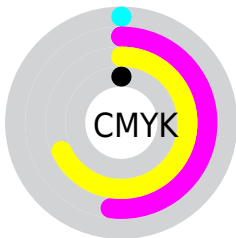
Blue (32%)



Red (100%)

Yellow (53%)

Blue (32%)

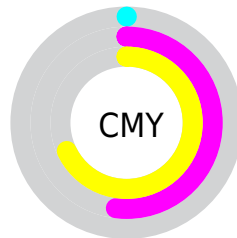


Cyan (0%)

Magenta (52%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8082, 36.0200, 12.1120 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 49.8082, 36.0200, 12.1120 by changing the saturation by 10% instead.


 49.8082, 36.0200,
12.1120


 49.8082, 36.0200,
12.1120


376.3798,
329.0480, 216.1495


 35.4782, 24.4496,
6.6965


 89.0842, 69.0629,
30.3664


 24.1997, 15.6675,
3.1975


 114.7608, 91.3043,
44.0424


 15.6074, 9.2892,
1.1963


 144.9504,
117.8715, 61.3089

 9.3358, 4.9303,
0.0000

 180.0183,
149.1488, 82.5846

 5.0197, 2.2064,
0.0000

 220.3298,
185.5207, 108.2880

 2.2937, 0.7235,
0.0000

266.2503,

 0.7914, 0.0000,

227.3716, 138.8376

0.0000

318.1452,
275.0859, 174.6519

■ 0.0000, 0.0000,
0.0000

■ 49.8082, 36.0200,
12.1120

■ 49.8082, 36.0200,
12.1120

■ 46.8581, 31.3738,
7.2639

■ 53.5929, 41.7619,
19.0090

■ 44.6694, 27.7442,
4.2292

■ 58.2715, 48.6595,
28.1513


■ 43.1534, 25.0477,
2.6895

■ 63.9004, 56.7752,
39.7140

■ 42.9387, 24.6577,
2.4963

■ 70.5303, 66.1651,
53.8543

■ 78.2083, 76.8819,
70.7161

 86.9785, 88.9749,
90.4325

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.



56.2639, 36.0200, 27.2536



49.8082, 36.0200, 12.1120



39.6851, 36.0200, 6.6311

Triad

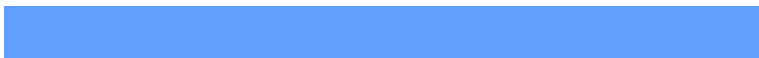
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.8082, 36.0200, 12.1120



18.9585, 36.0200, 26.1695



39.1479, 36.0200, 119.6228

Complementary

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



49.8082, 36.0200, 12.1120



45.2358, 56.5543, 103.1391

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.



29.3099, 36.0200, 118.8353



49.8082, 36.0200, 12.1120



18.8703, 36.0200, 54.2579

Square

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



49.8082, 36.0200, 12.1120



22.5735, 36.0200, 11.6496



22.3034, 36.0200, 91.0402



49.3500, 36.0200, 92.8495

Rectangle

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



49.8082, 36.0200, 12.1120



32.8443, 36.0200, 6.0655



22.3034, 36.0200, 91.0402



35.6663, 36.0200, 122.8689

Sweetspot

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



49.8090, 36.0220, 12.1126



76.7751, 74.8916, 67.5358



56.3711, 32.0205, 67.0959



15.9594, 15.3703, 13.4104



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.



49.8090, 36.0220, 12.1126



45.9489, 29.8919, 5.9224



65.4275, 67.2589, 17.3188



18.3654, 18.6990, 18.7856



22.5325, 13.0762, 1.3364



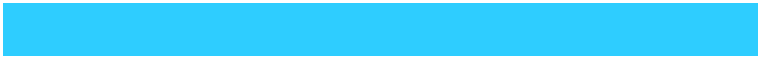
2.2745, 1.4344, 0.1570

Inverse Universe

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



45.2358, 56.5543, 103.1391



40.8887, 51.2314, 102.3413



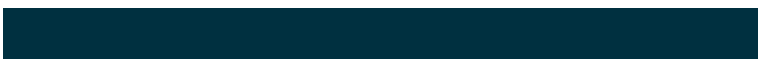
29.0847, 24.2519, 97.7554



18.1615, 19.6946, 23.0942



19.5689, 24.0474, 53.0448



1.9900, 2.5108, 5.1930

Previews

White Background



This preview shows how the XYZ color 49.8082, 36.0200, 12.1120 looks on a white background.

Color Contrast Check

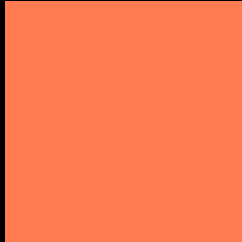
Large Text (above 18pt) WCAG AA × Fail

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 49.8082, 36.0200, 12.1120 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 49.8082, 36.0200, 12.1120

Background



This preview shows how black text looks on a background with the XYZ color 49.8082, 36.0200, 12.1120.



This preview shows how white text looks on a background with the XYZ color 49.8082, 36.0200,

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

49.8082, 36.0200, 12.1120

Protanopia

33.3008, 36.1138, 15.8052

Deuteranopia

36.8790, 36.0231, 11.4880



Tritanopia

51.6676, 35.9860, 24.3015

Trichromacy



Original Color

49.8082, 36.0200, 12.1120

Protanomaly

37.8467, 35.0229, 14.2166

Deuteranomaly

40.9808, 35.5529, 11.7236

Tritanomaly

50.7709, 35.8187, 18.9896

Monochromacy



Original Color

49.8082, 36.0200, 12.1120

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.1470, 33.2000, 25.6222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8082, 36.0200, 12.1120 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, 123, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 81)  
}
```

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, 123, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 81) }
```

Border

The CSS property to change the border of an element to XYZ 49.8082, 36.0200, 12.1120 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, 123, 81) }
```


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

```
.border{ border-color:rgb(255, 123, 81) }
```

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

Here you see how a box with a 4 pixel rgb(255, 123, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8082, 36.0200, 12.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 81) }
```

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

```
.background{ background-color: rgb(255,  
123, 81) }
```

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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