

Converting Colors

XYZ(59.6215, 38.8329, 11.3121)

Have a look what the booklet for
XYZ(59.6215, 38.8329, 11.3121)
contains.

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Color

**XYZ(48.1555, 32.9477,
10.8426)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6E4D
RGB	255, 110, 77
RGB Percent	100%, 43%, 30%
CMY	0.0000, 0.5686, 0.6980
CMYK	0.00, 0.57, 0.70, 0.00
HSL	11°, 100%, 65%
HSV	11°, 70%, 100%
XYZ	48.1555, 32.9477, 10.8426
YIQ	149.5930, 97.0130, 20.4770

Conversions

Conversions Part 2

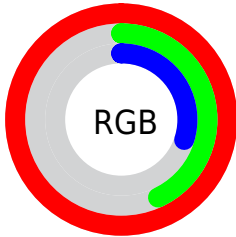
Format	Color
RYB	255, 118, 77
Decimal	16739917
CIELab	64.12, 53.26, 45.43
CIELCh	64, 70.008, 40.464
Yxy	32.9477, 0.5237, 0.3583
Android (android.graphics.Color)	4294929997 (0xFFFF6E4D)
YUV	149.5930, -35.7883, 92.4419
Hunter-Lab	57.4001, 49.3015, 28.9805

Details

The XYZ color **48.1555, 32.9477, 10.8426** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **47.2295, 61.0357, 103.8990**, and the grayscale version is **28.9362, 30.4431, 33.1525**.

A 20% lighter version of the original color is **58.5259, 49.7026, 26.5876**, and **23.0864, 13.9025, 2.6950** is the 20% darker color. If you saturate the color by 10%, you get **45.4406, 28.6878, 6.3325**, and if you desaturate by 10%, it is **51.7498, 38.4028, 17.3860**.

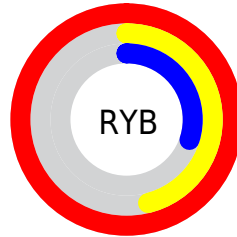
Distribution



Red (100%)

Green (43%)

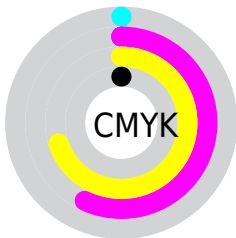
Blue (30%)



Red (100%)

Yellow (46%)

Blue (30%)

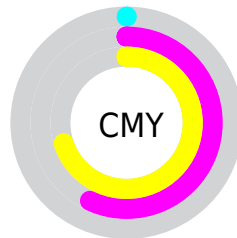


Cyan (0%)

Magenta (57%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (57%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1555, 32.9477, 10.8426 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 48.1555, 32.9477, 10.8426 by changing the saturation by 10% instead.


 48.1555, 32.9477,
10.8426


 48.1555, 32.9477,
10.8426


369.9805,
315.4140, 207.2830


 34.1618, 22.0864,
5.8483


 86.6442, 64.2939,
28.0009


 23.1814, 13.9204,
2.6857


 111.8699, 85.5475,
41.0020


 14.8489, 8.0653,
0.9362


 141.5703,
111.0340, 57.5090

 8.7991, 4.1368,
0.0000

 176.1108,
141.1379, 77.9406

 4.6664, 1.7504,
0.0000

 215.8567,
176.2434, 102.7153

 2.0856, 0.4559,
0.0000

261.1734,

 0.6814, 0.0000,

216.7350, 132.2515

0.0000

312.4262,
262.9971, 166.9679

■ 0.0000, 0.0000,
0.0000

■ 48.1555, 32.9477,
10.8426

■ 48.1555, 32.9477,
10.8426

■ 45.4406, 28.6878,
6.3325

■ 51.7498, 38.4028,
17.3860

■ 43.5217, 25.5254,
3.6104

■ 56.2917, 45.1296,
26.1664

■ 42.2870, 23.3501,
2.2926

■ 61.8450, 53.2044,
37.3642

■ 42.2678, 23.3159,
2.2727

■ 68.4673, 62.6961,
51.1412

■ 76.2115, 73.6685,
67.6448

85.1271, 86.1817,
87.0114

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



54.0262, 32.9477, 26.8518



48.1555, 32.9477, 10.8426



38.1260, 32.9477, 5.1134

Triad

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



48.1555, 32.9477, 10.8426



16.5776, 32.9477, 20.5515



34.9038, 32.9477, 120.6847

Complementary

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



48.1555, 32.9477, 10.8426



47.2295, 61.0357, 103.8990

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.



25.3691, 32.9477, 115.7409



48.1555, 32.9477, 10.8426



16.0726, 32.9477, 46.7209

Square

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



48.1555, 32.9477, 10.8426



20.5106, 32.9477, 8.3208



18.9458, 32.9477, 84.1916



45.3732, 32.9477, 95.4303

Rectangle

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



48.1555, 32.9477, 10.8426



31.1617, 32.9477, 4.3040



18.9458, 32.9477, 84.1916



31.4704, 32.9477, 122.7289

Sweetspot

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



48.1563, 32.9495, 10.8432



75.2245, 72.2760, 65.5222



57.1277, 31.8614, 72.5038



15.6270, 14.7999, 13.0091



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.



48.1563, 32.9495, 10.8432



44.5437, 27.2327, 4.9883



62.9185, 62.4740, 15.7639



18.2818, 18.5318, 18.7578



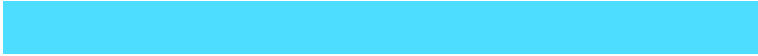
22.1636, 12.3384, 1.2134



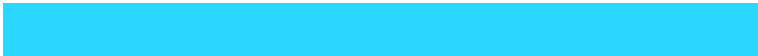
2.2275, 1.3403, 0.1413

Inverse Universe

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



47.2295, 61.0357, 103.8990



43.3279, 56.4302, 103.2162



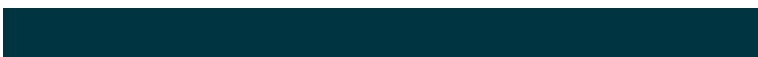
29.5484, 25.6736, 98.0053



18.2516, 19.8749, 23.1242



21.2838, 27.4773, 53.6165



2.1431, 2.8169, 5.2440

Previews

White Background



This preview shows how the XYZ color 48.1555, 32.9477, 10.8426 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 48.1555, 32.9477, 10.8426 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 48.1555, 32.9477, 10.8426

Background



This preview shows how black text looks on a background with the XYZ color 48.1555, 32.9477, 10.8426.



This preview shows how white text looks on a background with the XYZ color 48.1555, 32.9477,

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

48.1555, 32.9477, 10.8426

Protanopia

30.4418, 33.1133, 15.1430

Deuteranopia

33.6564, 32.9469, 10.2157



Tritanopia

49.4783, 32.9676, 19.3784

Trichromacy



Original Color

48.1555, 32.9477, 10.8426

Protanomaly

35.0403, 31.5709, 13.2638

Deuteranomaly

38.0137, 32.1170, 10.3266

Tritanomaly

48.9028, 32.9052, 15.8305

Monochromacy



Original Color

48.1555, 32.9477, 10.8426

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

32.9782, 29.4494, 22.6851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1555, 32.9477, 10.8426 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, 110, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 77)  
}
```

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, 110, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 77) }
```

Border

The CSS property to change the border of an element to XYZ 48.1555, 32.9477, 10.8426 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, 110, 77) }
```


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

```
.border{ border-color:rgb(255, 110, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 110, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1555, 32.9477, 10.8426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 77) }
```

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

```
.background{ background-color: rgb(255,  
110, 77) }
```

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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