

Converting Colors

XYZ(50.0159, 36.6431, 11.5411)

Have a look what the booklet for
XYZ(50.0159, 36.6431, 11.5411)
contains.

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Color

**XYZ(50.0404, 36.7175,
11.4710)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7E4D
RGB	255, 126, 77
RGB Percent	100%, 49%, 30%
CMY	0.0000, 0.5059, 0.6980
CMYK	0.00, 0.51, 0.70, 0.00
HSL	17°, 100%, 65%
HSV	17°, 70%, 100%
XYZ	50.0404, 36.7175, 11.4710
YIQ	158.9850, 92.6130, 12.1090

Conversions

Conversions Part 2

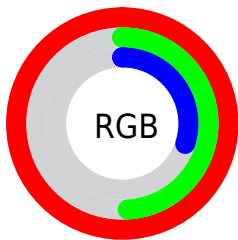
Format	Color
R_{YB}	255, 145, 77
Decimal	16744013
CIE _{Lab}	67.06, 45.70, 48.76
CIE _{LCh}	67, 66.825, 46.853
Yxy	36.7175, 0.5094, 0.3738
Android (android.graphics.Color)	4294934093 (0xFFFF7E4D)
YUV	158.9850, -40.4186, 84.2052
Hunter-Lab	60.5950, 41.3673, 31.1925

Details

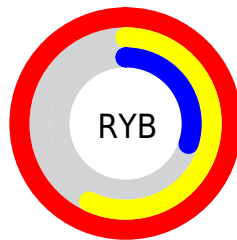
The XYZ color **50.0404, 36.7175, 11.4710** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.1802, 52.9371, 102.5492**, and the grayscale version is **33.0983, 34.8220, 37.9211**.

A 20% lighter version of the original color is **61.6602, 55.8663, 27.9555**, and **24.3304, 16.0554, 2.9153** is the 20% darker color. If you saturate the color by 10%, you get **47.1614, 32.1293, 6.9062**, and if you desaturate by 10%, it is **53.7102, 42.3236, 18.0397**.

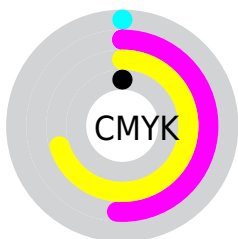
Distribution



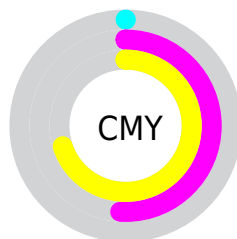
- Red (100%)
- Green (49%)
- Blue (30%)



- Red (100%)
- Yellow (57%)
- Blue (30%)



- Cyan (0%)
- Magenta (51%)
- Yellow (70%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0404, 36.7175, 11.4710 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 50.0404, 36.7175, 11.4710 by changing the saturation by 10% instead.


 50.0404, 36.7175,
11.4710


 50.0404, 36.7175,
11.4710


377.2733,
332.0858, 211.7231


 35.6634, 24.9888,
6.2664


 89.4262, 70.1381,
29.1777

 24.3433, 16.0687,
2.9364


 115.1657, 92.5988,
42.5170


 15.7146, 9.5728,
1.0622


 145.4235,
119.4057, 59.4049

 9.4120, 5.1166,
0.0000

 180.5649,
150.9430, 80.2600

 5.0701, 2.3159,
0.0000

 220.9552,
187.5954, 105.5008

 2.3236, 0.7821,
0.0000

266.9598,

 0.8067, 0.0000,

229.7470, 135.5459

0.0000

318.9440,
277.7824, 170.8138

■ 0.0000, 0.0000,
0.0000

■ 50.0404, 36.7175,
11.4710

■ 50.0404, 36.7175,
11.4710

■ 47.1614, 32.1293,
6.9062

■ 53.7102, 42.3236,
18.0397

■ 45.0027, 28.4875,
4.1041

■ 58.2274, 49.0010,
26.8119


■ 43.4685, 25.7130,
2.6865

■ 63.6457, 56.8058,
37.9648

■ 43.4428, 25.6660,
2.6644

■ 70.0135, 65.7885,
51.6570

■ 77.3755, 75.9965,
68.0333

 85.7734, 87.4742,
87.2274

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.



57.1398, 36.7175, 25.8500



50.0404, 36.7175, 11.4710



39.5346, 36.7175, 6.4941

Triad

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



50.0404, 36.7175, 11.4710



19.1192, 36.7175, 28.5537



40.8763, 36.7175, 121.0168

Complementary

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



50.0404, 36.7175, 11.4710



43.1802, 52.9371, 102.5492

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.



30.6405, 36.7175, 122.9879



50.0404, 36.7175, 11.4710



19.3391, 36.7175, 58.4981

Square

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



50.0404, 36.7175, 11.4710



22.4952, 36.7175, 12.6210



23.1687, 36.7175, 96.2881



51.1855, 36.7175, 91.7618

Rectangle

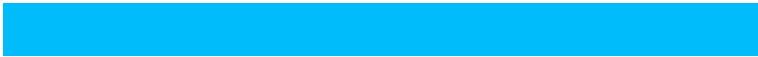
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.0404, 36.7175, 11.4710



32.6186, 36.7175, 6.1816



23.1687, 36.7175, 96.2881



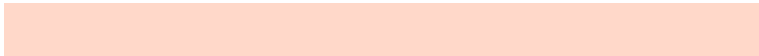
37.2830, 36.7175, 125.2584

Sweetspot

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



50.0412, 36.7195, 11.4716



76.4411, 74.7091, 65.9277



55.2216, 31.0990, 62.4661



15.9119, 15.3697, 13.1040



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.



50.0412, 36.7195, 11.4716



46.1722, 30.4897, 5.5311



66.4911, 69.6193, 16.9549



18.4163, 18.8008, 18.8026



22.8062, 13.6237, 1.4276



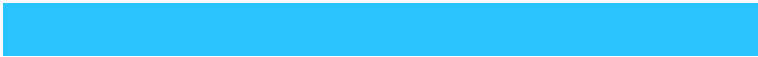
2.3072, 1.4998, 0.1679

Inverse Universe

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



43.1802, 52.9371, 102.5492



38.7024, 47.1791, 101.6744



27.6522, 21.8810, 97.3731



18.1072, 19.5860, 23.0761



18.6056, 22.1208, 52.7237



1.9031, 2.3368, 5.1640

Previews

White Background



This preview shows how the XYZ color 50.0404, 36.7175, 11.4710 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 50.0404, 36.7175, 11.4710 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 50.0404, 36.7175, 11.4710

Background



This preview shows how black text looks on a background with the XYZ color 50.0404, 36.7175, 11.4710.



This preview shows how white text looks on a background with the XYZ color 50.0404, 36.7175,

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

50.0404, 36.7175, 11.4710

Protanopia

33.9010, 36.9755, 14.8014

Deuteranopia

37.6226, 36.9156, 10.9369



Tritanopia

52.2288, 36.7908, 25.4677

Trichromacy



Original Color

50.0404, 36.7175, 11.4710

Protanomaly

38.2782, 35.7340, 13.4742

Deuteranomaly

41.4522, 36.2614, 11.1177

Tritanomaly

51.1922, 36.5736, 19.4002

Monochromacy



Original Color

50.0404, 36.7175, 11.4710

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.6443, 33.9217, 25.3851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0404, 36.7175, 11.4710 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, 126, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 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, 126, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 77) }
```

Border

The CSS property to change the border of an element to XYZ 50.0404, 36.7175, 11.4710 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, 126, 77) }
```


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

```
.border{ border-color:rgb(255, 126, 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, 126, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0404, 36.7175, 11.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 77) }
```

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

```
.background{ background-color: rgb(255,  
126, 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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