

Converting Colors

XYZ(50.1799, 36.4520, 13.1962)

Have a look what the booklet for
XYZ(50.1799, 36.4520, 13.1962)
contains.

XYZ(50.1274, 36.3472, 13.1778)	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(50.1274, 36.3472,
13.1778)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7C56
RGB	255, 124, 86
RGB Percent	100%, 49%, 34%
CMY	0.0000, 0.5137, 0.6627
CMYK	0.00, 0.51, 0.66, 0.00
HSL	13°, 100%, 67%
HSV	13°, 66%, 100%
XYZ	50.1274, 36.3472, 13.1778
YIQ	158.8370, 90.2740, 15.9540

Conversions

Conversions Part 2

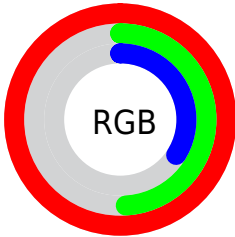
Format	Color
R_{YB}	255, 135, 86
Decimal	16743510
CIE _{Lab}	66.78, 47.14, 43.80
CIE _{LCh}	67, 64.350, 42.898
Yxy	36.3472, 0.5030, 0.3647
Android (android.graphics.Color)	4294933590 (0xFFFF7C56)
YUV	158.8370, -35.9086, 84.3350
Hunter-Lab	60.2886, 42.9099, 29.2425

Details

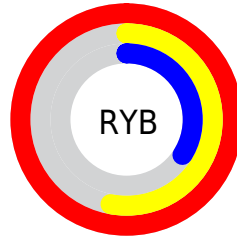
The XYZ color **50.1274, 36.3472, 13.1778** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **46.6987, 58.8203, 103.4994**, and the grayscale version is **33.0113, 34.7305, 37.8215**.

A 20% lighter version of the original color is **61.8755, 55.3063, 31.0809**, and **24.3413, 15.8529, 3.6107** is the 20% darker color. If you saturate the color by 10%, you get **47.0435, 31.5411, 7.9534**, and if you desaturate by 10%, it is **54.0757, 42.2966, 20.4980**.

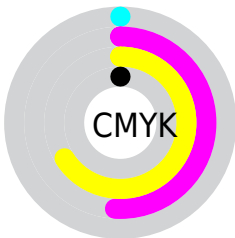
Distribution



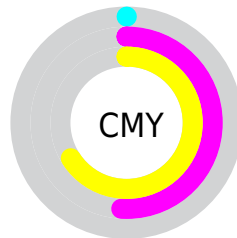
- Red (100%)
- Green (49%)
- Blue (34%)



- Red (100%)
- Yellow (53%)
- Blue (34%)



- Cyan (0%)
- Magenta (51%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1274, 36.3472, 13.1778 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 50.1274, 36.3472, 13.1778 by changing the saturation by 10% instead.


 50.1274, 36.3472,
13.1778


 50.1274, 36.3472,
13.1778


377.6077,
330.4756, 223.3017

 35.7329, 24.7025,
7.4189


 89.5543, 69.5676,
32.3187


 24.3971, 15.8555,
3.6431


 115.3174, 91.9121,
46.5378


 15.7548, 9.4220,
1.4316


 145.6006,
118.5920, 64.4141

 9.4405, 5.0174,
0.1662

 180.7695,
149.9916, 86.3660

 5.0890, 2.2575,
0.0000

 221.1893,
186.4953, 112.8123

 2.3349, 0.7511,
0.0000

267.2253,

 0.8124, 0.0000,

228.4877, 144.1712

0.0000

319.2430,
276.3529, 180.8616

■ 0.0000, 0.0000,
0.0000

■ 50.1274, 36.3472,
13.1778

■ 50.1274, 36.3472,
13.1778

■ 47.0435, 31.5411,
7.9534

■ 54.0757, 42.2966,
20.4980

■ 44.7507, 27.7964,
4.5968

■ 58.9482, 49.4521,
30.1057


■ 43.1657, 25.0284,
2.8287

■ 64.8022, 57.8788,
42.1727

■ 42.7202, 24.2207,
2.4235

■ 71.6892, 67.6351,
56.8541

■ 79.6571, 78.7761,
74.2917

 88.7506, 91.3534,
94.6174

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.



56.1560, 36.3472, 28.7899



50.1274, 36.3472, 13.1778



40.3400, 36.3472, 7.2942

Triad

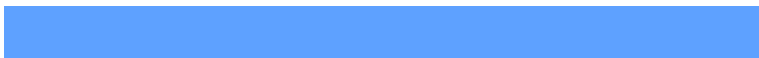
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.1274, 36.3472, 13.1778



19.5852, 36.3472, 25.8294



38.8891, 36.3472, 118.0426

Complementary

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



50.1274, 36.3472, 13.1778



46.6987, 58.8203, 103.4994

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.



29.3369, 36.3472, 115.9491



50.1274, 36.3472, 13.1778



19.3431, 36.3472, 52.7668

Square

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



50.1274, 36.3472, 13.1778



23.3223, 36.3472, 11.8883



22.5841, 36.3472, 88.3375



48.8950, 36.3472, 93.1655

Rectangle

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



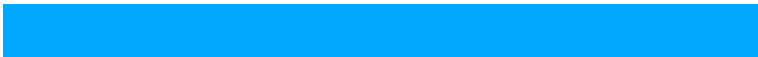
50.1274, 36.3472, 13.1778



33.6106, 36.3472, 6.5748



22.5841, 36.3472, 88.3375



35.5005, 36.3472, 120.7192

Sweetspot

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



50.1282, 36.3492, 13.1784



76.5593, 74.4601, 67.4639



57.2728, 32.9977, 69.9435



15.9084, 15.2685, 13.3935



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.



50.1282, 36.3492, 13.1784



46.1010, 30.0260, 6.4978



65.2607, 66.6140, 18.2226



18.3407, 18.6495, 18.7774



22.4131, 12.8374, 1.2966



2.2597, 1.4048, 0.1521

Inverse Universe

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



46.6987, 58.8203, 103.4994



42.2455, 53.5843, 102.7240



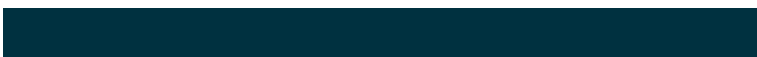
30.3969, 26.2166, 98.0655



18.1880, 19.7477, 23.1030



20.0589, 25.0274, 53.2081



2.0340, 2.5986, 5.2077

Previews

White Background



This preview shows how the XYZ color 50.1274, 36.3472, 13.1778 looks on a white background.

Color Contrast Check

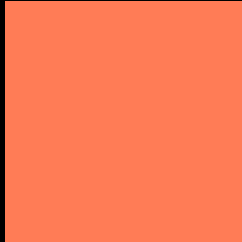
Large Text (above 18pt) WCAG AA × Fail

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 50.1274, 36.3472, 13.1778 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 50.1274, 36.3472, 13.1778

Background



This preview shows how black text looks on a background with the XYZ color 50.1274, 36.3472, 13.1778.



This preview shows how white text looks on a background with the XYZ color 50.1274, 36.3472,

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

50.1274, 36.3472, 13.1778

Protanopia

33.7575, 36.5795, 17.3379

Deuteranopia

37.2567, 36.4394, 12.6593



Tritanopia

51.8528, 36.2515, 24.6864

Trichromacy



Original Color

50.1274, 36.3472, 13.1778

Protanomaly

38.2666, 35.4429, 15.6508

Deuteranomaly

41.3150, 35.9279, 12.7399

Tritanomaly

51.0580, 36.1270, 19.9049

Monochromacy



Original Color

50.1274, 36.3472, 13.1778

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.6919, 33.6930, 26.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1274, 36.3472, 13.1778 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, 124, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 86)  
}
```

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, 124, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 86) }
```

Border

The CSS property to change the border of an element to XYZ 50.1274, 36.3472, 13.1778 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, 124, 86) }
```


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

```
.border{ border-color:rgb(255, 124, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1274, 36.3472, 13.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 86) }
```

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

```
.background{ background-color: rgb(255,  
124, 86) }
```

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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