

Converting Colors

XYZ(50.1480, 37.5954, 9.4640)

Have a look what the booklet for
XYZ(50.1480, 37.5954, 9.4640)
contains.

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Color

**XYZ(50.1480, 37.5954,
9.4640)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8240
RGB	255, 130, 64
RGB Percent	100%, 51%, 25%
CMY	0.0000, 0.4902, 0.7490
CMYK	0.00, 0.49, 0.75, 0.00
HSL	21°, 100%, 63%
HSV	21°, 75%, 100%
XYZ	50.1480, 37.5954, 9.4640
YIQ	159.8510, 95.6860, 5.9740

Conversions

Conversions Part 2

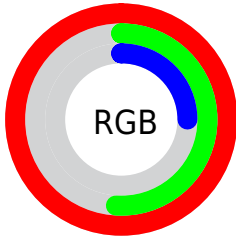
Format	Color
R _{YB}	255, 165, 64
Decimal	16745024
CIE _{Lab}	67.72, 43.16, 55.75
CIE _{LCh}	68, 70.506, 52.258
Yxy	37.5954, 0.5159, 0.3868
Android (android.graphics.Color)	4294935104 (0xFFFF8240)
YUV	159.8510, -47.2545, 83.4457
Hunter-Lab	61.3151, 38.6891, 33.7691

Details

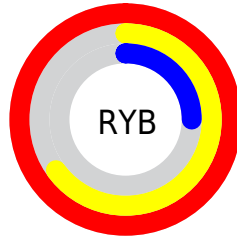
The XYZ color **50.1480, 37.5954, 9.4640** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **38.3604, 44.7021, 101.2136**, and the grayscale version is **33.5260, 35.2720, 38.4112**.

A 20% lighter version of the original color is **61.6835, 57.1957, 24.0085**, and **24.5064, 16.6728, 2.1563** is the 20% darker color. If you saturate the color by 10%, you get **47.5386, 33.2850, 5.7955**, and if you desaturate by 10%, it is **53.4504, 42.7624, 14.9989**.

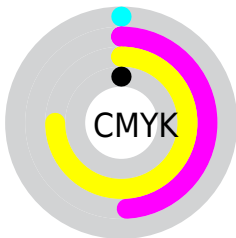
Distribution



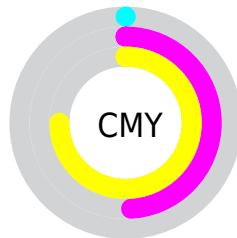
- Red (100%)
- Green (51%)
- Blue (25%)



- Red (100%)
- Yellow (65%)
- Blue (25%)



- Cyan (0%)
- Magenta (49%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1480, 37.5954, 9.4640 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 50.1480, 37.5954, 9.4640 by changing the saturation by 10% instead.


 50.1480, 37.5954,
9.4640


 50.1480, 37.5954,
9.4640


377.6869,
335.8811, 197.1463

 35.7493, 25.6688,
4.9441


 89.5846, 71.4876,
25.3742

 24.4098, 16.5760,
2.1563


 115.3533, 94.2219,
37.6016


 15.7643, 9.9327,
0.6490


 145.6426,
121.3277, 53.2353

 9.4473, 5.3543,
0.0000

 180.8179,
153.1893, 72.6937

 5.0935, 2.4566,
0.0000

 221.2447,
190.1910, 96.3955

 2.3376, 0.8548,
0.0000

267.2882,

 0.8138, 0.0000,

232.7173, 124.7592

0.0000

319.3138,
281.1525, 158.2033

■ 0.0000, 0.0000,
0.0000

■ 50.1480, 37.5954,
9.4640

■ 50.1480, 37.5954,
9.4640

■ 47.5386, 33.2850,
5.7955

■ 53.4504, 42.7624,
14.9989

■ 45.5532, 29.7706,
3.7262

■ 57.4996, 48.8283,
22.6144

■ 44.7396, 28.2597,
3.0966

■ 62.3459, 55.8391,
32.4973

■ 68.0341, 63.8357,
44.8128

■ 74.6054, 72.8564,
59.7106

82.0980, 82.9373,
77.3280

90.5479, 94.1125,
97.7927

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.



58.8334, 37.5954, 22.1592



50.1480, 37.5954, 9.4640



38.6298, 37.5954, 5.6243

Triad

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



50.1480, 37.5954, 9.4640



18.7383, 37.5954, 33.3742



44.2680, 37.5954, 125.3255

Complementary

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



50.1480, 37.5954, 9.4640



38.3604, 44.7021, 101.2136

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.



32.9853, 37.5954, 133.7793



50.1480, 37.5954, 9.4640



19.6431, 37.5954, 68.1176

Square

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



50.1480, 37.5954, 9.4640



21.5981, 37.5954, 14.1020



24.3850, 37.5954, 109.0478



54.9862, 37.5954, 89.7232

Rectangle

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



50.1480, 37.5954, 9.4640



31.4685, 37.5954, 5.8456



24.3850, 37.5954, 109.0478



40.3670, 37.5954, 131.9802

Sweetspot

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



50.1488, 37.5974, 9.4647



76.6832, 75.6709, 64.5363



52.5139, 28.7031, 52.2552



15.9973, 15.6331, 12.8466



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.



50.1488, 37.5974, 9.4647



46.4534, 31.3973, 4.5602



68.5973, 74.4942, 15.6141



18.5226, 19.0134, 18.8380



23.5025, 15.0162, 1.6597



2.3856, 1.6566, 0.1940

Inverse Universe

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



38.3604, 44.7021, 101.2136



33.9275, 38.3614, 100.2241



24.3321, 16.6456, 96.5375



17.9954, 19.3625, 23.0388



16.7849, 18.4795, 52.1168



1.7363, 2.0034, 5.1084

Previews

White Background



This preview shows how the XYZ color 50.1480, 37.5954, 9.4640 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 50.1480, 37.5954, 9.4640 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 50.1480, 37.5954, 9.4640

Background



This preview shows how black text looks on a background with the XYZ color 50.1480, 37.5954, 9.4640.



This preview shows how white text looks on a background with the XYZ color 50.1480, 37.5954,

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

50.1480, 37.5954, 9.4640

Protanopia

34.6394, 37.9572, 11.9793

Deuteranopia

38.5029, 37.6649, 8.9821



Tritanopia

52.8073, 37.6207, 26.6686

Trichromacy



Original Color

50.1480, 37.5954, 9.4640

Protanomaly

39.0751, 36.9263, 10.8624

Deuteranomaly

41.9636, 37.0305, 9.0736

Tritanomaly

51.5361, 37.5215, 18.7135

Monochromacy



Original Color

50.1480, 37.5954, 9.4640

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.9548, 34.5777, 24.1285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1480, 37.5954, 9.4640 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, 130, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 64)  
}
```

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, 130, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 64) }
```

Border

The CSS property to change the border of an element to XYZ 50.1480, 37.5954, 9.4640 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, 130, 64) }
```


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

```
.border{ border-color:rgb(255, 130, 64) }
```

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

Here you see how a box with a 4 pixel rgb(255, 130, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1480, 37.5954, 9.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 64) }
```

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

```
.background{ background-color: rgb(255,  
130, 64) }
```

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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