

# Converting Colors

XYZ(60.0319, 44.7312, 15.4737)

Have a look what the booklet for  
XYZ(60.0319, 44.7312, 15.4737)  
contains.

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# Color

**XYZ(52.5064, 40.7715,  
14.9998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8C5B
RGB	255, 140, 91
RGB Percent	100%, 55%, 36%
CMY	0.0000, 0.4510, 0.6431
CMYK	0.00, 0.45, 0.64, 0.00
HSL	18°, 100%, 68%
HSV	18°, 64%, 100%
XYZ	52.5064, 40.7715, 14.9998
YIQ	168.7990, 84.2690, 9.1410

# Conversions

## Conversions Part 2

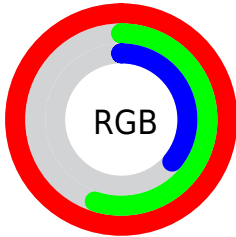
Format	Color
R <sub>Y</sub> B	255, 161, 91
Decimal	16747611
CIE Lab	70.02, 39.51, 45.01
CIE LCh	70, 59.888, 48.726
Yxy	40.7715, 0.4849, 0.3765
Android (android.graphics.Color)	4294937691 (0xFFFF8C5B)
YUV	168.7990, -38.3549, 75.5983
Hunter-Lab	63.8526, 35.0398, 30.7688

# Details

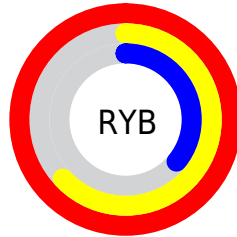
The XYZ color **52.5064, 40.7715, 14.9998** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.4341, 53.5835, 102.6079**, and the grayscale version is **37.7682, 39.7351, 43.2716**.

A 20% lighter version of the original color is **65.6376, 62.2432, 34.1459**, and **25.9181, 18.4913, 4.4886** is the 20% darker color. If you saturate the color by 10%, you get **49.1837, 35.5978, 9.3563**, and if you desaturate by 10%, it is **56.6291, 46.9480, 22.7535**.

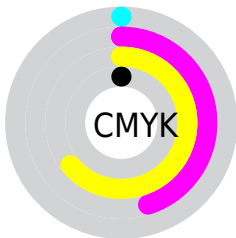
# Distribution



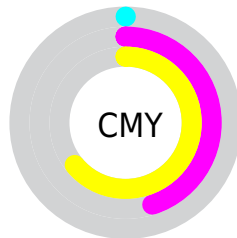
- Red (100%)
- Green (55%)
- Blue (36%)



- Red (100%)
- Yellow (63%)
- Blue (36%)



- Cyan (0%)
- Magenta (45%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5064, 40.7715, 14.9998 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 52.5064, 40.7715, 14.9998 by changing the saturation by 10% instead.





 52.5064, 40.7715,  
14.9998

 52.5064, 40.7715,  
14.9998


386.6804,  
349.3647, 235.0057

 37.6348, 28.1406,  
8.6726


 93.0475, 76.3369,  
35.5951


 25.8753, 18.4317,  
4.4344


 119.4476,  
100.0402, 50.7004

 16.8625, 11.2603,  
1.8665


 150.4213,  
128.2030, 69.5687

 10.2312, 6.2422,  
0.4713

 186.3339,  
161.2098, 92.6187

 5.6160, 2.9929,  
0.0000

227.5507,  
199.4450, 120.2688

 2.6514, 1.1280,  
0.0000

274.4372,

 0.9722, 0.0017,

243.2930, 152.9377

0.0000

327.3587,  
293.1381, 191.0438

■ 0.0000, 0.0000,  
0.0000

■ 52.5064, 40.7715,  
14.9998

■ 52.5064, 40.7715,  
14.9998

■ 49.1837, 35.5978,  
9.3563

■ 56.6291, 46.9480,  
22.7535

■ 46.5981, 31.3637,  
5.6054

■ 61.6022, 54.1725,  
32.8013

■ 44.6797, 28.0074,  
3.4846

■ 67.4747, 62.4954,  
45.3092

■ 43.8380, 26.4563,  
2.7961

■ 74.2911, 71.9613,  
60.4272

■ 82.0926, 82.6126,  
78.2931

90.9178, 94.4892,  
99.0352

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.



59.3960, 40.7715, 29.2689



52.5064, 40.7715, 14.9998



42.5404, 40.7715, 9.7806

# Triad

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



52.5064, 40.7715, 14.9998



23.0991, 40.7715, 34.6874



45.0989, 40.7715, 117.2894

# Complementary

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



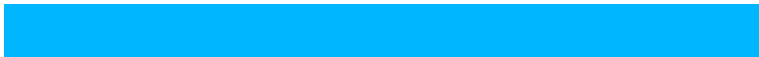
52.5064, 40.7715, 14.9998



44.4341, 53.5835, 102.6079

# 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.



35.1956, 40.7715, 120.7811



52.5064, 40.7715, 14.9998



23.5494, 40.7715, 63.9944

# Square

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



52.5064, 40.7715, 14.9998



26.2827, 40.7715, 17.5277



27.6376, 40.7715, 98.3212



54.6481, 40.7715, 90.1597



# Rectangle

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



52.5064, 40.7715, 14.9998



35.9724, 40.7715, 9.6299



27.6376, 40.7715, 98.3212



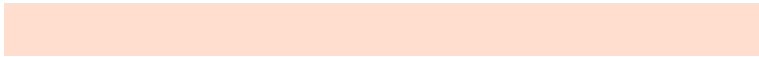
41.6714, 40.7715, 121.5922

# Sweetspot

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



52.5074, 40.7737, 15.0005



78.3114, 77.4707, 69.5693



56.4319, 33.3227, 63.4767



16.2912, 15.9381, 13.8164



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.



52.5074, 40.7737, 15.0005



48.4194, 34.3703, 8.1724



68.5815, 72.9220, 20.3586



18.4518, 18.8717, 18.8144



23.0193, 14.0499, 1.4986



2.3318, 1.5491, 0.1761



# Inverse Universe

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



44.4341, 53.5835, 102.6079



39.6466, 47.7663, 101.7380



29.8938, 24.5029, 97.7611



18.0697, 19.5110, 23.0636



17.9705, 20.8505, 52.5120



1.8453, 2.2213, 5.1448



# Previews

## White Background



This preview shows how the XYZ color 52.5064, 40.7715, 14.9998 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 52.5064, 40.7715, 14.9998 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 52.5064, 40.7715, 14.9998

## Background



This preview shows how black text looks on a background with the XYZ color 52.5064, 40.7715, 14.9998.



This preview shows how white text looks on a background with the XYZ color 52.5064, 40.7715,



# 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

52.5064, 40.7715, 14.9998

### Protanopia

37.8898, 41.1557, 18.5172

### Deuteranopia

41.6409, 40.7152, 14.4682



## Tritanopia

55.1550, 40.9127, 31.7780

# Trichromacy



## Original Color

52.5064, 40.7715, 14.9998

## Protanomaly

41.9268, 40.0205, 17.0702

## Deuteranomaly

45.1613, 40.4782, 14.6653

## Tritanomaly

53.8873, 40.6320, 24.4046

# Monochromacy



## Original Color

52.5064, 40.7715, 14.9998

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

40.8540, 38.6562, 30.5075

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5064, 40.7715, 14.9998 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, 140, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 140, 91)  
}
```

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, 140, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 140, 91) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5064, 40.7715, 14.9998 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, 140, 91) }
```



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

```
.border{ border-color:rgb(255, 140, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 140, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 140, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 140, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 140,  
91) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5064, 40.7715, 14.9998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 140, 91) }
```

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

```
.background{ background-color: rgb(255,  
140, 91) }
```

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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