

Converting Colors

XYZ(109.4149, 70.5153,
17.9349)

Have a look what the booklet for
XYZ(109.4149, 70.5153, 17.9349)
contains.

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Color

**XYZ(52.8448, 41.3787,
15.3269)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8E5C
RGB	255, 142, 92
RGB Percent	100%, 56%, 36%
CMY	0.0000, 0.4431, 0.6392
CMYK	0.00, 0.44, 0.64, 0.00
HSL	18°, 100%, 68%
HSV	18°, 64%, 100%
XYZ	52.8448, 41.3787, 15.3269
YIQ	170.0870, 83.3980, 8.4060

Conversions

Conversions Part 2

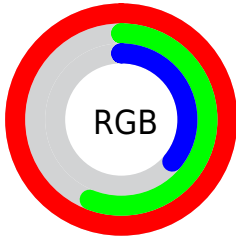
Format	Color
R_{YB}	255, 164, 92
Decimal	16748124
CIE _{Lab}	70.44, 38.55, 45.00
CIE _{LCh}	70, 59.254, 49.410
Yxy	41.3787, 0.4824, 0.3777
Android (android.graphics.Color)	4294938204 (0xFFFF8E5C)
YUV	170.0870, -38.4969, 74.4687
Hunter-Lab	64.3263, 34.0689, 30.9015

Details

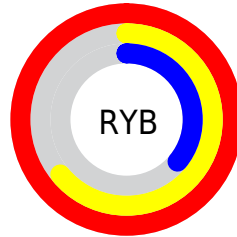
The XYZ color **52.8448, 41.3787, 15.3269** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **44.2935, 53.1550, 102.5327**, and the grayscale version is **38.4098, 40.4101, 44.0066**.

A 20% lighter version of the original color is **66.2403, 63.2061, 35.0943**, and **26.0845, 18.8242, 4.5441** is the 20% darker color. If you saturate the color by 10%, you get **49.4872, 36.1575, 9.6030**, and if you desaturate by 10%, it is **56.9964, 47.5884, 23.1661**.

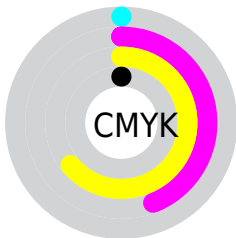
Distribution



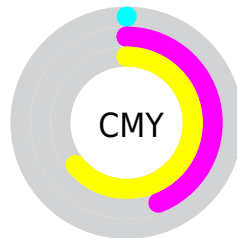
- Red (100%)
- Green (56%)
- Blue (36%)



- Red (100%)
- Yellow (64%)
- Blue (36%)



- Cyan (0%)
- Magenta (44%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8448, 41.3787, 15.3269 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 52.8448, 41.3787, 15.3269 by changing the saturation by 10% instead.


 52.8448, 41.3787,
15.3269

 52.8448, 41.3787,
15.3269


387.9600,
351.9009, 237.0450


 37.9059, 28.6151,
8.9000


 93.5428, 77.2584,
36.1760

 26.0865, 18.7899,
4.5801


 120.0326,
101.1434, 51.4353

 17.0214, 11.5185,
1.9487


 151.1034,
129.5042, 70.4758

 10.3451, 6.4167,
0.5234

 187.1206,
162.7254, 93.7160

 5.6924, 3.1001,
0.0000

228.4495,
201.1912, 121.5745

 2.6978, 1.1842,
0.0000

275.4555,

 0.9961, 0.0488,

245.2862, 154.4698

0.0000

328.5038,
295.3946, 192.8204

■ 0.0000, 0.0000,
0.0000

■ 52.8448, 41.3787,
15.3269

■ 52.8448, 41.3787,
15.3269

■ 49.4872, 36.1575,
9.6030

■ 56.9964, 47.5884,
23.1661

■ 46.8617, 31.8633,
5.7783

■ 61.9914, 54.8303,
33.3033

■ 44.9001, 28.4368,
3.5933

■ 67.8782, 63.1531,
45.9035

■ 43.9806, 26.7415,
2.8436

■ 74.7002, 72.6002,
61.1160

■ 82.4981, 83.2128,
79.0781

91.3100, 95.0296,
99.9173

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.



59.8141, 41.3787, 29.4514



52.8448, 41.3787, 15.3269



42.8795, 41.3787, 10.1857

Triad

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



52.8448, 41.3787, 15.3269



23.6179, 41.3787, 35.8821



45.9003, 41.3787, 117.1208

Complementary

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



52.8448, 41.3787, 15.3269



44.2935, 53.1550, 102.5327

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.



35.9805, 41.3787, 121.2113



52.8448, 41.3787, 15.3269



24.1534, 41.3787, 65.3765

Square

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



52.8448, 41.3787, 15.3269



26.7317, 41.3787, 18.3545



28.3402, 41.3787, 99.4235



55.3684, 41.3787, 89.8441

Rectangle

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



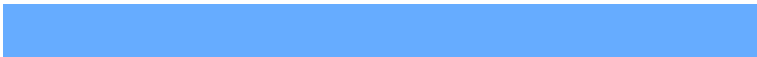
52.8448, 41.3787, 15.3269



36.3405, 41.3787, 10.1145



28.3402, 41.3787, 99.4235



42.4775, 41.3787, 121.5835

Sweetspot

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



52.8458, 41.3809, 15.3276



78.4134, 77.6747, 69.6033



56.2199, 33.3756, 61.9354



16.3155, 15.9869, 13.8245



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.



52.8458, 41.3809, 15.3276



48.6039, 34.7391, 8.2339



69.3993, 74.4879, 20.8455



18.4638, 18.8958, 18.8184



23.0960, 14.2033, 1.5242



2.3406, 1.5665, 0.1790

Inverse Universe

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



44.2935, 53.1550, 102.5327



39.2948, 47.0629, 101.6207



29.7470, 24.0618, 97.6839



18.0570, 19.4856, 23.0593



17.7612, 20.4320, 52.4422



1.8262, 2.1830, 5.1384

Previews

White Background



This preview shows how the XYZ color 52.8448, 41.3787, 15.3269 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 52.8448, 41.3787, 15.3269 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 52.8448, 41.3787, 15.3269

Background



This preview shows how black text looks on a background with the XYZ color 52.8448, 41.3787, 15.3269.



This preview shows how white text looks on a background with the XYZ color 52.8448, 41.3787,

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

52.8448, 41.3787, 15.3269

Protanopia

38.3780, 41.6852, 18.8553

Deuteranopia

42.1471, 41.2361, 14.7548



Tritanopia

55.4521, 41.2579, 32.6447

Trichromacy



Original Color

52.8448, 41.3787, 15.3269



Protanomaly

42.6130, 40.8876, 17.4505



Deuteranomaly

45.6865, 40.9922, 14.9555



Tritanomaly

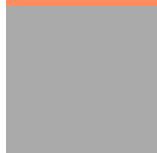
54.3034, 41.2575, 25.1801

Monochromacy



Original Color

52.8448, 41.3787, 15.3269



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.5407, 39.5121, 31.0284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8448, 41.3787, 15.3269 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, 142, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 92)  
}
```

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, 142, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 92) }
```

Border

The CSS property to change the border of an element to XYZ 52.8448, 41.3787, 15.3269 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, 142, 92) }
```


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

```
.border{ border-color:rgb(255, 142, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 142, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8448, 41.3787, 15.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 92) }
```

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

```
.background{ background-color: rgb(255,  
142, 92) }
```

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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