

Converting Colors

XYZ(80.8300, 56.6625, 12.1916)

Have a look what the booklet for
XYZ(80.8300, 56.6625, 12.1916)
contains.

XYZ(52.4088, 41.9282, 10.7995)	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(52.4088, 41.9282,
10.7995)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9144
RGB	255, 145, 68
RGB Percent	100%, 57%, 27%
CMY	0.0000, 0.4313, 0.7333
CMYK	0.00, 0.43, 0.73, 0.00
HSL	25°, 100%, 63%
HSV	25°, 73%, 100%
XYZ	52.4088, 41.9282, 10.7995
YIQ	169.1120, 90.2770, -0.6270

Conversions

Conversions Part 2

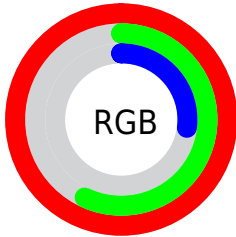
Format	Color
R _Y B	255, 199, 68
Decimal	16748868
CIE Lab	70.82, 35.78, 57.11
CIE LCh	71, 67.394, 57.936
Yxy	41.9282, 0.4985, 0.3988
Android (android.graphics.Color)	4294938948 (0xFFFF9144)
YUV	169.1120, -49.8482, 75.3238
Hunter-Lab	64.7520, 31.1579, 35.4379

Details

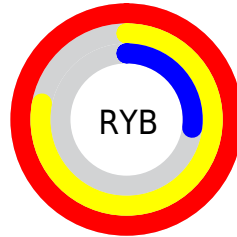
The XYZ color **52.4088, 41.9282, 10.7995** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **36.3530, 40.2871, 100.4673**, and the grayscale version is **37.9765, 39.9542, 43.5101**.

A 20% lighter version of the original color is **65.2844, 63.9246, 26.6671**, and **25.7189, 19.0617, 2.6716** is the 20% darker color. If you saturate the color by 10%, you get **49.6505, 37.3982, 6.8396**, and if you desaturate by 10%, it is **55.8098, 47.2031, 16.6425**.

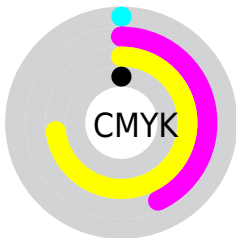
Distribution



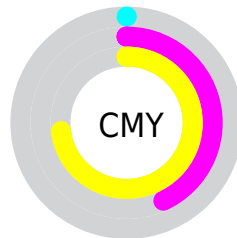
- Red (100%)
- Green (57%)
- Blue (27%)



- Red (100%)
- Yellow (78%)
- Blue (27%)



- Cyan (0%)
- Magenta (43%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4088, 41.9282, 10.7995 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 52.4088, 41.9282, 10.7995 by changing the saturation by 10% instead.


 52.4088, 41.9282,
10.7995

 52.4088, 41.9282,
10.7995


386.3109,
354.1852, 206.9746

 37.5566, 29.0451,
5.8197


 92.9045, 78.0909,
27.9198


 25.8144, 19.1149,
2.6688


 119.2788,
102.1394, 40.8973


 16.8168, 11.7533,
0.9276


 150.2244,
130.6783, 57.3779

 10.1984, 6.5760,
0.0000

 186.1068,
164.0922, 77.7800

 5.5940, 3.1984,
0.0000

 227.2912,
202.7655, 102.5222

 2.6381, 1.2361,
0.0000

274.1432,

 0.9654, 0.0909,

247.0825, 132.0230

0.0000

327.0279,
297.4276, 166.7009

■ 0.0000, 0.0000,
0.0000

■ 52.4088, 41.9282,
10.7995

■ 52.4088, 41.9282,
10.7995

■ 49.6505, 37.3982,
6.8396

■ 55.8098, 47.2031,
16.6425

■ 47.4728, 33.5640,
4.5068


■ 59.9007, 53.2540,
24.5753


■ 46.2922, 31.3649,
3.6142

■ 64.7267, 60.1179,
34.7795

■ 70.3278, 67.8267,
47.4162

■ 76.7408, 76.4106,
62.6317

 83.9999, 85.8981,
80.5604

 92.1372, 96.3163,
101.3276

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.



62.0597, 41.9282, 22.4301



52.4088, 41.9282, 10.7995



40.6321, 41.9282, 7.5985

Triad

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



52.4088, 41.9282, 10.7995



21.9752, 41.9282, 43.4674



50.8129, 41.9282, 124.6695

Complementary

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



52.4088, 41.9282, 10.7995



36.3530, 40.2871, 100.4673

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.



39.0810, 41.9282, 139.1566



52.4088, 41.9282, 10.7995



23.6959, 41.9282, 81.0609

Square

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



52.4088, 41.9282, 10.7995



24.2486, 41.9282, 20.1191



29.4796, 41.9282, 120.3803



61.0236, 41.9282, 86.8336

Rectangle

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



52.4088, 41.9282, 10.7995



33.5822, 41.9282, 8.5287



29.4796, 41.9282, 120.3803



46.8562, 41.9282, 133.0332

Sweetspot

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



52.4098, 41.9304, 10.8003



77.6590, 77.6225, 64.8616



51.5656, 28.6978, 46.1085



16.2259, 16.0903, 12.9228



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.



52.4098, 41.9304, 10.8003



48.5661, 35.5248, 5.5661



72.3649, 81.8407, 17.4520



18.6237, 19.2156, 18.8717



24.3273, 16.6658, 1.9346



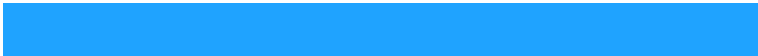
2.4731, 1.8316, 0.2232

Inverse Universe

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



36.3530, 40.2871, 100.4673



31.6279, 33.5547, 99.4175



23.8180, 15.2172, 96.2889



17.8911, 19.1537, 23.0040



15.2802, 15.4700, 51.6152



1.5955, 1.7216, 5.0615

Previews

White Background



This preview shows how the XYZ color 52.4088, 41.9282, 10.7995 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 52.4088, 41.9282, 10.7995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

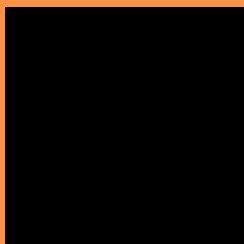
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 52.4088, 41.9282, 10.7995

Background



This preview shows how black text looks on a background with the XYZ color 52.4088, 41.9282, 10.7995.



This preview shows how white text looks on a background with the XYZ color 52.4088, 41.9282,

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

52.4088, 41.9282, 10.7995

Protanopia

38.4329, 42.1314, 12.9440

Deuteranopia

42.9399, 42.0098, 10.4029



Tritanopia

55.8179, 41.8634, 33.1555

Trichromacy



Original Color

52.4088, 41.9282, 10.7995

Protanomaly

42.6187, 41.2744, 12.0238

Deuteranomaly

46.1073, 41.8128, 10.4911

Tritanomaly

54.0947, 41.6417, 22.6393

Monochromacy



Original Color

52.4088, 41.9282, 10.7995

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.5551, 39.0869, 27.2368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4088, 41.9282, 10.7995 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, 145, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 68)  
}
```

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, 145, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 68) }
```

Border

The CSS property to change the border of an element to XYZ 52.4088, 41.9282, 10.7995 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, 145, 68) }
```


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

```
.border{ border-color:rgb(255, 145, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4088, 41.9282, 10.7995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 68) }
```

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

```
.background{ background-color: rgb(255,  
145, 68) }
```

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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