

Converting Colors

XYZ(52.3400, 42.0022, 10.1251)

Have a look what the booklet for
XYZ(52.3400, 42.0022, 10.1251)
contains.

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Color

**XYZ(52.2908, 41.8810,
10.1783)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9140
RGB	255, 145, 64
RGB Percent	100%, 57%, 25%
CMY	0.0000, 0.4313, 0.7490
CMYK	0.00, 0.43, 0.75, 0.00
HSL	25°, 100%, 63%
HSV	25°, 75%, 100%
XYZ	52.2908, 41.8810, 10.1783
YIQ	168.6560, 91.5610, -1.8710

Conversions

Conversions Part 2

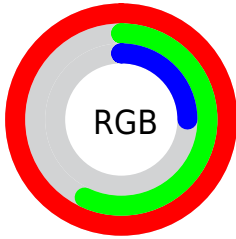
Format	Color
R _Y B	255, 205, 64
Decimal	16748864
CIE Lab	70.79, 35.61, 58.87
CIE LCh	71, 68.800, 58.829
Yxy	41.8810, 0.5011, 0.4014
Android (android.graphics.Color)	4294938944 (0xFFFF9140)
YUV	168.6560, -51.5954, 75.7237
Hunter-Lab	64.7155, 30.9776, 35.9759

Details

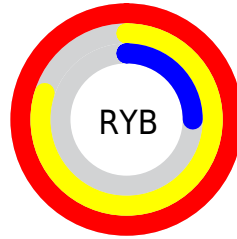
The XYZ color **52.2908, 41.8810, 10.1783** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **35.2992, 38.5797, 100.1931**, and the grayscale version is **37.7584, 39.7248, 43.2603**.

A 20% lighter version of the original color is **65.0467, 63.8295, 25.4150**, and **25.6690, 19.0417, 2.4087** is the 20% darker color. If you saturate the color by 10%, you get **49.6233, 37.4543, 6.4905**, and if you desaturate by 10%, it is **55.5816, 47.0248, 15.7094**.

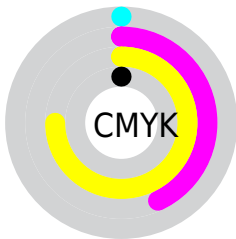
Distribution



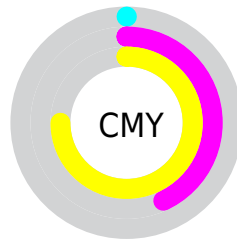
- Red (100%)
- Green (57%)
- Blue (25%)



- Red (100%)
- Yellow (80%)
- Blue (25%)



- Cyan (0%)
- Magenta (43%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2908, 41.8810, 10.1783 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 52.2908, 41.8810, 10.1783 by changing the saturation by 10% instead.


 52.2908, 41.8810,
10.1783

 52.2908, 41.8810,
10.1783


385.8638,
353.9894, 202.4708

 37.4621, 29.0081,
5.4102


 92.7317, 78.0195,
26.7434

 25.7408, 19.0870,
2.4270


 119.0745,
102.0539, 39.3774

 16.7615, 11.7331,
0.8011


 149.9862,
130.5776, 55.4705

 10.1588, 6.5622,
0.0000

 185.8320,
163.9750, 75.4412

 5.5675, 3.1899,
0.0000

 226.9773,
202.6305, 99.7080

 2.6220, 1.2316,
0.0000

273.7875,

 0.9572, 0.0873,

246.9284, 128.6895

0.0000

326.6279,
297.2533, 162.8043

■ 0.0000, 0.0000,
0.0000

■ 52.2908, 41.8810,
10.1783

■ 52.2908, 41.8810,
10.1783

■ 49.6233, 37.4543,
6.4905

■ 55.5816, 47.0248,
15.7094

■ 47.5161, 33.6964,
4.3805

■ 59.5434, 52.9159,
23.2959

■ 46.6181, 32.0166,
3.7228

■ 64.2215, 59.5902,
33.1228

■ 69.6557, 67.0789,
45.3537

■ 75.8827, 75.4109,
60.1367

82.9364, 84.6139,
77.6079

90.8488, 94.7141,
97.8935

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.



62.3140, 41.8810, 21.4982



52.2908, 41.8810, 10.1783



40.2570, 41.8810, 7.1931

Triad

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



52.2908, 41.8810, 10.1783



21.6384, 41.8810, 44.3283



51.3642, 41.8810, 125.8814

Complementary

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



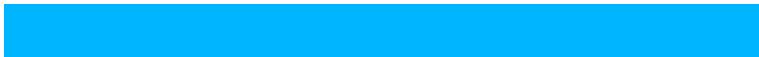
52.2908, 41.8810, 10.1783



35.2992, 38.5797, 100.1931

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.



39.3596, 41.8810, 141.8262



52.2908, 41.8810, 10.1783



23.4994, 41.8810, 83.1535

Square

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



52.2908, 41.8810, 10.1783



23.8166, 41.8810, 20.1781



29.4867, 41.8810, 123.3697



61.7110, 41.8810, 86.5199

Rectangle

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



52.2908, 41.8810, 10.1783



33.1305, 41.8810, 8.2170



29.4867, 41.8810, 123.3697



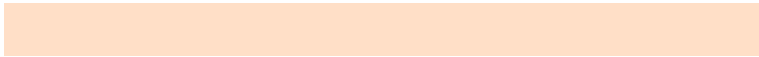
47.3243, 41.8810, 134.8011

Sweetspot

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



52.2917, 41.8832, 10.1791



77.8429, 77.9904, 64.9229



50.8521, 28.0385, 43.5044



16.2690, 16.1767, 12.9371



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.



52.2917, 41.8832, 10.1791



48.4835, 35.4575, 5.2369



73.0559, 83.4115, 17.1004



18.6426, 19.2534, 18.8780



24.4996, 17.0105, 1.9921



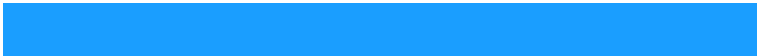
2.4909, 1.8672, 0.2291

Inverse Universe

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



35.2992, 38.5797, 100.1931



30.6331, 31.7725, 99.1259



23.0271, 14.0355, 96.1024



17.8717, 19.1151, 22.9976



15.0223, 14.9541, 51.5293



1.5710, 1.6726, 5.0533

Previews

White Background



This preview shows how the XYZ color 52.2908, 41.8810, 10.1783 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 52.2908, 41.8810, 10.1783 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 52.2908, 41.8810, 10.1783

Background



This preview shows how black text looks on a background with the XYZ color 52.2908, 41.8810, 10.1783.



This preview shows how white text looks on a background with the XYZ color 52.2908, 41.8810,

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

52.2908, 41.8810, 10.1783

Protanopia

38.2981, 42.0774, 12.2341

Deuteranopia

42.8341, 41.9675, 9.8459



Tritanopia

55.8179, 41.8634, 33.1555

Trichromacy



Original Color

52.2908, 41.8810, 10.1783

Protanomaly

42.4903, 41.2230, 11.3476

Deuteranomaly

45.9975, 41.7689, 9.9128

Tritanomaly

53.9758, 41.5941, 22.0133

Monochromacy



Original Color

52.2908, 41.8810, 10.1783

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.4870, 39.0597, 26.8781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2908, 41.8810, 10.1783 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 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, 145, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 64) }
```

Border

The CSS property to change the border of an element to XYZ 52.2908, 41.8810, 10.1783 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, 64) }
```


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

```
.border{ border-color:rgb(255, 145, 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, 145, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2908, 41.8810, 10.1783 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, 64) }
```

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

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