

Converting Colors

XYZ(52.0828, 41.4201, 10.2473)

Have a look what the booklet for
XYZ(52.0828, 41.4201, 10.2473)
contains.

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Color

**XYZ(52.0166, 41.2866,
10.2286)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8F41
RGB	255, 143, 65
RGB Percent	100%, 56%, 25%
CMY	0.0000, 0.4392, 0.7451
CMYK	0.00, 0.44, 0.75, 0.00
HSL	25°, 100%, 63%
HSV	25°, 75%, 100%
XYZ	52.0166, 41.2866, 10.2286
YIQ	167.5960, 91.7900, -0.5140

Conversions

Conversions Part 2

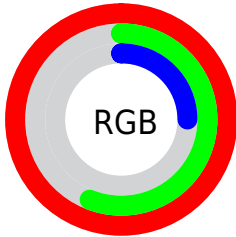
Format	Color
R_{YB}	255, 197, 65
Decimal	16748353
CIE _{Lab}	70.38, 36.67, 58.01
CIE _{LCh}	70, 68.626, 57.700
Yxy	41.2866, 0.5024, 0.3988
Android (android.graphics.Color)	4294938433 (0xFFFF8F41)
YUV	167.5960, -50.5798, 76.6533
Hunter-Lab	64.2546, 32.0570, 35.5400

Details

The XYZ color **52.0166, 41.2866, 10.2286** 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 **35.9510, 39.7858, 100.3916**, and the grayscale version is **37.2311, 39.1700, 42.6561**.

A 20% lighter version of the original color is **64.6450, 62.9325, 25.5697**, and **25.5122, 18.7018, 2.4375** is the 20% darker color. If you saturate the color by 10%, you get **49.3305, 36.8421, 6.4746**, and if you desaturate by 10%, it is **55.3400, 46.4735, 15.8389**.

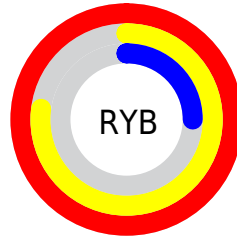
Distribution



Red (100%)

Green (56%)

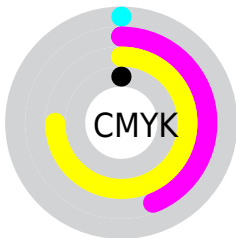
Blue (25%)



Red (100%)

Yellow (77%)

Blue (25%)

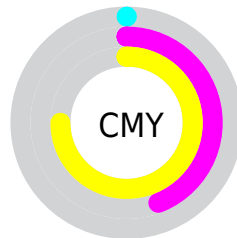


Cyan (0%)

Magenta (44%)

Yellow (75%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0166, 41.2866, 10.2286 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 52.0166, 41.2866, 10.2286 by changing the saturation by 10% instead.


 52.0166, 41.2866,
10.2286


 52.0166, 41.2866,
10.2286


384.8236,
351.5170, 202.8397


 37.2426, 28.5431,
5.4432


 92.3298, 77.1188,
26.8391


 25.5699, 18.7355,
2.4463


 118.5997,
100.9762, 39.5013

 16.6332, 11.4793,
0.8115


 149.4324,
129.3071, 55.6262

 10.0670, 6.3902,
0.0000

 185.1931,
162.4959, 75.6323

 5.5060, 3.0838,
0.0000

 226.2472,
200.9268, 99.9381

 2.5849, 1.1756,
0.0000

272.9601,

 0.9383, 0.0417,

244.9844, 128.9623

0.0000

325.6971,
295.0530, 163.1233

■ 0.0000, 0.0000,
0.0000

■ 52.0166, 41.2866,
10.2286

■ 52.0166, 41.2866,
10.2286

■ 49.3305, 36.8421,
6.4746

■ 55.3400, 46.4735,
15.8389

■ 47.2181, 33.0899,
4.3139


■ 59.3490, 52.4345,
23.5166


■ 46.2600, 31.3005,
3.6034

■ 64.0894, 59.2070,
33.4460

■ 69.6017, 66.8234,
45.7901

■ 75.9231, 75.3143,
60.6970

 83.0881, 84.7083,
78.3023

 91.1291, 95.0329,
98.7322

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.



61.7605, 41.2866, 21.8123



52.0166, 41.2866, 10.2286



40.1191, 41.2866, 7.0614

Triad

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



52.0166, 41.2866, 10.2286



21.3077, 41.2866, 42.5055



50.2174, 41.2866, 125.4809

Complementary

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



52.0166, 41.2866, 10.2286



35.9510, 39.7858, 100.3916

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.



38.3771, 41.2866, 140.0297



52.0166, 41.2866, 10.2286



22.9939, 41.2866, 80.4715

Square

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



52.0166, 41.2866, 10.2286



23.6092, 41.2866, 19.2518



28.7509, 41.2866, 120.6005



60.5895, 41.2866, 87.0106

Rectangle

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



52.0166, 41.2866, 10.2286



33.0072, 41.2866, 7.9371



28.7509, 41.2866, 120.6005



46.2156, 41.2866, 133.9522

Sweetspot

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



52.0175, 41.2888, 10.2293



77.6405, 77.5856, 64.8554



51.2669, 28.2954, 45.4076



16.2215, 16.0817, 12.9213



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.



52.0175, 41.2888, 10.2293



48.3152, 35.0740, 5.3252



72.1892, 81.6321, 16.9532



18.6218, 19.2118, 18.8711



24.3103, 16.6317, 1.9290



2.4714, 1.8281, 0.2226

Inverse Universe

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



35.9510, 39.7858, 100.3916



31.4195, 33.2460, 99.3689



23.4005, 14.6849, 96.2082



17.8930, 19.1576, 23.0047



15.3066, 15.5227, 51.6240



1.5980, 1.7266, 5.0623

Previews

White Background



This preview shows how the XYZ color 52.0166, 41.2866, 10.2286 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 52.0166, 41.2866, 10.2286 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 52.0166, 41.2866, 10.2286

Background



This preview shows how black text looks on a background with the XYZ color 52.0166, 41.2866, 10.2286.



This preview shows how white text looks on a background with the XYZ color 52.0166, 41.2866, 10.2286.

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

52.0166, 41.2866, 10.2286

Protanopia

37.9178, 41.5880, 12.5074

Deuteranopia

42.3838, 41.4656, 9.9075



Tritanopia

55.3740, 41.2266, 32.2331

Trichromacy



Original Color

52.0166, 41.2866, 10.2286

Protanomaly

42.0820, 40.7427, 11.6074

Deuteranomaly

45.3639, 40.9369, 9.9255

Tritanomaly

53.6835, 41.0096, 21.9158

Monochromacy



Original Color

52.0166, 41.2866, 10.2286

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.3143, 38.7143, 26.8205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0166, 41.2866, 10.2286 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, 143, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 65)  
}
```

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, 143, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 65) }
```

Border

The CSS property to change the border of an element to XYZ 52.0166, 41.2866, 10.2286 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, 143, 65) }
```


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

```
.border{ border-color:rgb(255, 143, 65) }
```

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

Here you see how a box with a 4 pixel rgb(255, 143, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0166, 41.2866, 10.2286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 65) }
```

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

```
.background{ background-color: rgb(255,  
143, 65) }
```

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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