

Converting Colors

XYZ(52.1036, 42.1006, 8.2864)

Have a look what the booklet for
XYZ(52.1036, 42.1006, 8.2864)
contains.

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Color

**XYZ(52.0733, 42.0395,
8.2756)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9231
RGB	255, 146, 49
RGB Percent	100%, 57%, 19%
CMY	0.0000, 0.4274, 0.8078
CMYK	0.00, 0.43, 0.81, 0.00
HSL	28°, 100%, 60%
HSV	28°, 81%, 100%
XYZ	52.0733, 42.0395, 8.2756
YIQ	167.5330, 96.1010, -7.0590

Conversions

Conversions Part 2

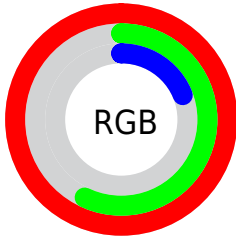
Format	Color
R _Y B	255, 232, 49
Decimal	16749105
CIE Lab	70.90, 34.57, 65.11
CIE LCh	71, 73.715, 62.033
Yxy	42.0395, 0.5086, 0.4106
Android (android.graphics.Color)	4294939185 (0xFFFF9231)
YUV	167.5330, -58.4368, 76.7086
Hunter-Lab	64.8379, 29.8926, 37.8190

Details

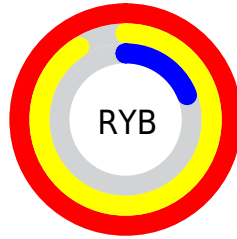
The XYZ color **52.0733, 42.0395, 8.2756** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.5427, 32.3251, 99.1841**, and the grayscale version is **37.2359, 39.1751, 42.6617**.

A 20% lighter version of the original color is **64.5748, 64.0126, 21.7842**, and **25.7409, 19.2119, 2.3516** is the 20% darker color. If you saturate the color by 10%, you get **49.7209, 37.9665, 5.5450**, and if you desaturate by 10%, it is **54.9770, 46.7295, 12.6899**.

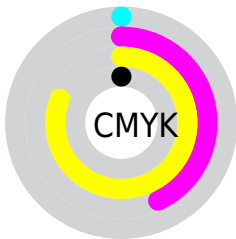
Distribution



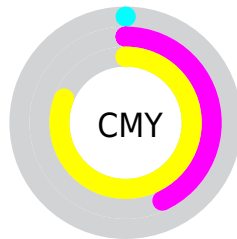
- Red (100%)
- Green (57%)
- Blue (19%)



- Red (100%)
- Yellow (91%)
- Blue (19%)



- Cyan (0%)
- Magenta (43%)
- Yellow (81%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0733, 42.0395, 8.2756 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 52.0733, 42.0395, 8.2756 by changing the saturation by 10% instead.


 52.0733, 42.0395,
8.2756

 52.0733, 42.0395,
8.2756


385.0388,
354.6467, 187.8926

 37.2880, 29.1322,
4.1815


 92.4129, 78.2594,
23.0520


 25.6053, 19.1809,
1.7254


 118.6980,
102.3408, 34.5714

 16.6597, 11.8010,
0.3781


 149.5470,
130.9157, 49.4030

 10.0860, 6.6083,
0.0000

 185.3253,
164.3685, 67.9653

 5.5187, 3.2184,
0.0000

 226.3983,
203.0837, 90.6769

 2.5925, 1.2468,
0.0000

 273.1313,

 0.9422, 0.0994,

247.4454, 117.9562

0.0000

325.8897,
297.8383, 150.2220

■ 0.0000, 0.0000,
0.0000

■ 52.0733, 42.0395,
8.2756

■ 52.0733, 42.0395,
8.2756

■ 49.7209, 37.9665,
5.5450

■ 54.9770, 46.7295,
12.6899

■ 47.9658, 34.7121,
4.1720

■ 58.4821, 52.0639,
19.0244

■ 62.6346, 58.0752,
27.4794

■ 67.4745, 64.7914,
38.2292

■ 73.0380, 72.2383,
51.4296

79.3587, 80.4401,
67.2228

86.4674, 89.4198,
85.7399

94.3935, 99.1993,
107.1032

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.



63.4789, 42.0395, 18.4763



52.0733, 42.0395, 8.2756



39.1263, 42.0395, 6.0114

Triad

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



52.0733, 42.0395, 8.2756



20.7139, 42.0395, 48.2125



53.8218, 42.0395, 130.2620

Complementary

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



52.0733, 42.0395, 8.2756



31.5427, 32.3251, 99.1841

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.



40.7999, 42.0395, 151.9364



52.0733, 42.0395, 8.2756



23.1091, 42.0395, 91.7752

Square

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



52.0733, 42.0395, 8.2756



22.5330, 42.0395, 20.8374



29.8835, 42.0395, 135.1341



64.6250, 42.0395, 85.3321

Rectangle

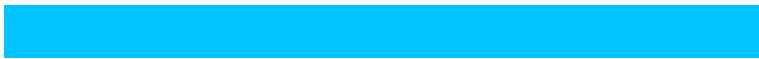
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.0733, 42.0395, 8.2756



31.7447, 42.0395, 7.3659



29.8835, 42.0395, 135.1341



49.4767, 42.0395, 141.3095

Sweetspot

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



52.0742, 42.0417, 8.2764



77.2412, 77.7182, 61.8513



48.5848, 25.9554, 35.1900



16.0508, 16.0094, 12.0346



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.



52.0742, 42.0417, 8.2764



48.5056, 35.7241, 4.5586



75.4024, 88.6981, 16.0524



18.7147, 19.3976, 18.9021



25.2100, 18.4313, 2.2289



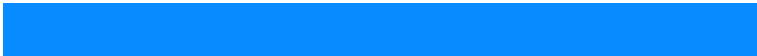
2.5629, 2.0112, 0.2531

Inverse Universe

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



31.5427, 32.3251, 99.1841



27.3093, 25.5965, 98.1090



20.7245, 10.6888, 95.5780



17.7986, 18.9689, 22.9732



14.1036, 13.1169, 51.2231



1.4827, 1.4960, 5.0239

Previews

White Background



This preview shows how the XYZ color 52.0733, 42.0395, 8.2756 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 52.0733, 42.0395, 8.2756 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 52.0733, 42.0395, 8.2756

Background



This preview shows how black text looks on a background with the XYZ color 52.0733, 42.0395, 8.2756.



This preview shows how white text looks on a background with the XYZ color 52.0733, 42.0395,

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

52.0733, 42.0395, 8.2756

Protanopia

38.3555, 42.1597, 9.8575

Deuteranopia

43.0688, 42.1304, 7.9598



Tritanopia

55.8179, 41.8634, 33.1555

Trichromacy



Original Color

52.0733, 42.0395, 8.2756

Protanomaly

42.5333, 41.5597, 9.1482

Deuteranomaly

45.9602, 41.7914, 8.0270

Tritanomaly

53.8376, 41.7759, 20.5552

Monochromacy



Original Color

52.0733, 42.0395, 8.2756

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.0919, 38.9016, 24.7977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0733, 42.0395, 8.2756 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, 146, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 49)  
}
```

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, 146, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 49) }
```

Border

The CSS property to change the border of an element to XYZ 52.0733, 42.0395, 8.2756 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, 146, 49) }
```


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

```
.border{ border-color:rgb(255, 146, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0733, 42.0395, 8.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 49) }
```

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

```
.background{ background-color: rgb(255,  
146, 49) }
```

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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