

Converting Colors

XYZ(52.3246, 42.4009, 8.7946)

Have a look what the booklet for
XYZ(52.3246, 42.4009, 8.7946)
contains.

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Color

**XYZ(52.3163, 42.3845,
8.7918)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9335
RGB	255, 147, 53
RGB Percent	100%, 58%, 21%
CMY	0.0000, 0.4235, 0.7921
CMYK	0.00, 0.42, 0.79, 0.00
HSL	28°, 100%, 60%
HSV	28°, 79%, 100%
XYZ	52.3163, 42.3845, 8.7918
YIQ	168.5760, 94.5420, -6.3380

Conversions

Conversions Part 2

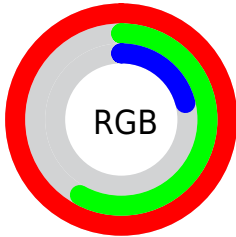
Format	Color
R_{YB}	255, 229, 53
Decimal	16749365
CIE _{Lab}	71.14, 34.18, 63.79
CIE _{LCh}	71, 72.371, 61.814
Yxy	42.3845, 0.5055, 0.4095
Android (android.graphics.Color)	4294939445 (0xFFFF9335)
YUV	168.5760, -56.9790, 75.7938
Hunter-Lab	65.1034, 29.5096, 37.5656

Details

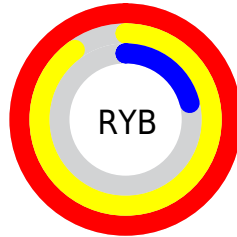
The XYZ color **52.3163, 42.3845, 8.7918** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.2621, 33.4646, 99.3659**, and the grayscale version is **37.7436, 39.7092, 43.2433**.

A 20% lighter version of the original color is **64.9620, 64.5417, 22.6696**, and **25.8304, 19.3909, 2.3814** is the 20% darker color. If you saturate the color by 10%, you get **49.8823, 38.2192, 5.8157**, and if you desaturate by 10%, it is **55.3150, 47.1814, 13.4941**.

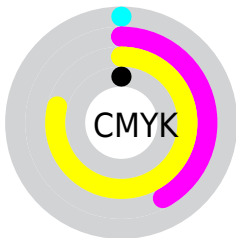
Distribution



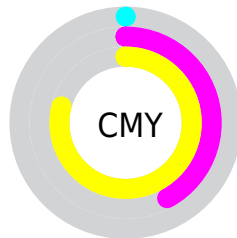
- Red (100%)
- Green (58%)
- Blue (21%)



- Red (100%)
- Yellow (90%)
- Blue (21%)



- Cyan (0%)
- Magenta (42%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3163, 42.3845, 8.7918 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 52.3163, 42.3845, 8.7918 by changing the saturation by 10% instead.


 52.3163, 42.3845,
8.7918


 52.3163, 42.3845,
8.7918


385.9604,
356.0744, 191.9776


 37.4825, 29.4025,
4.5107


 92.7690, 78.7812,
24.0680


 25.7567, 19.3855,
1.9095


 119.1187,
102.9647, 35.9001

 16.7734, 11.9492,
0.4988


 150.0377,
131.6508, 51.0863

 10.1674, 6.7091,
0.0000

 185.8914,
165.2239, 70.0452

 5.5732, 3.2808,
0.0000

 227.0452,
204.0684, 93.1952

 2.6255, 1.2800,
0.0000

 273.8644,

 0.9590, 0.1257,

248.5688, 120.9549

0.0000

326.7143,
299.1093, 153.7428

■ 0.0000, 0.0000,
0.0000

■ 52.3163, 42.3845,
8.7918

■ 52.3163, 42.3845,
8.7918

■ 49.8823, 38.2192,
5.8157

■ 55.3150, 47.1814,
13.4941

■ 47.9361, 34.6352,
4.2163

■ 58.9274, 52.6372,
20.1516

■ 47.7974, 34.3754,
4.1159

■ 63.1988, 58.7845,
28.9601

■ 68.1688, 65.6514,
40.0906

■ 73.8733, 73.2640,
53.6967

80.3458, 81.6466,
69.9188

87.6169, 90.8226,
88.8864

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.



63.4913, 42.3845, 19.1636



52.3163, 42.3845, 8.7918



39.5526, 42.3845, 6.4337

Triad

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



52.3163, 42.3845, 8.7918



21.2043, 42.3845, 48.2929



53.8507, 42.3845, 129.1890

Complementary

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



52.3163, 42.3845, 8.7918



32.2621, 33.4646, 99.3659

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.



41.0268, 42.3845, 150.0570



52.3163, 42.3845, 8.7918



23.5596, 42.3845, 90.9921

Square

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



52.3163, 42.3845, 8.7918



23.0479, 42.3845, 21.2717



30.2563, 42.3845, 133.4276



64.4948, 42.3845, 85.3631

Rectangle

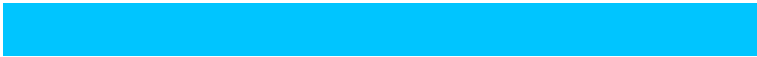
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.3163, 42.3845, 8.7918



32.2365, 42.3845, 7.7947



30.2563, 42.3845, 133.4276



49.5731, 42.3845, 139.8878

Sweetspot

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



52.3173, 42.3867, 8.7926



77.1512, 77.5381, 61.8213



49.2228, 26.4903, 37.6885



16.0293, 15.9664, 12.0274



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.



52.3173, 42.3867, 8.7926



48.7066, 36.0795, 4.7693



74.5043, 86.7608, 16.1882



18.7062, 19.3805, 18.8992



25.1215, 18.2542, 2.1994



2.5540, 1.9935, 0.2502

Inverse Universe

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



32.2621, 33.4646, 99.3659



27.9243, 26.7277, 98.2949



21.3014, 11.5433, 95.7123



17.8073, 18.9861, 22.9761



14.2071, 13.3238, 51.2575



1.4927, 1.5161, 5.0272

Previews

White Background



This preview shows how the XYZ color 52.3163, 42.3845, 8.7918 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 52.3163, 42.3845, 8.7918 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 52.3163, 42.3845, 8.7918

Background



This preview shows how black text looks on a background with the XYZ color 52.3163, 42.3845, 8.7918.



This preview shows how white text looks on a background with the XYZ color 52.3163, 42.3845,

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

52.3163, 42.3845, 8.7918

Protanopia

38.6513, 42.5883, 10.4582

Deuteranopia

43.3428, 42.5298, 8.5094



Tritanopia

56.2699, 42.5118, 34.0940

Trichromacy



Original Color

52.3163, 42.3845, 8.7918

Protanomaly

42.8089, 41.9574, 9.7132

Deuteranomaly

46.2312, 42.1738, 8.6094

Tritanomaly

54.1570, 42.1427, 21.4996

Monochromacy



Original Color

52.3163, 42.3845, 8.7918

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.3951, 39.3014, 25.5356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3163, 42.3845, 8.7918 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, 147, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 53)  
}
```

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, 147, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 53) }
```

Border

The CSS property to change the border of an element to XYZ 52.3163, 42.3845, 8.7918 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, 147, 53) }
```


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

```
.border{ border-color:rgb(255, 147, 53) }
```

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

Here you see how a box with a 4 pixel rgb(255, 147, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3163, 42.3845, 8.7918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 53) }
```

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

```
.background{ background-color: rgb(255,  
147, 53) }
```

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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