

Converting Colors

XYZ(102.5997, 67.4943,
11.6956)

Have a look what the booklet for
XYZ(102.5997, 67.4943, 11.6956)
contains.

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Color

**XYZ(52.0027, 41.5223,
9.4114)**

Conversions

Conversions Part 1

Format	Color
Hex	FF903B
RGB	255, 144, 59
RGB Percent	100%, 56%, 23%
CMY	0.0000, 0.4353, 0.7686
CMYK	0.00, 0.44, 0.77, 0.00
HSL	26°, 100%, 62%
HSV	26°, 77%, 100%
XYZ	52.0027, 41.5223, 9.4114
YIQ	167.4990, 93.4410, -2.9030

Conversions

Conversions Part 2

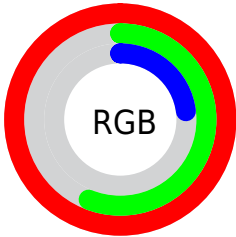
Format	Color
R_{YB}	255, 209, 59
Decimal	16748603
CIE _{Lab}	70.54, 35.93, 60.78
CIE _{LCh}	71, 70.603, 59.412
Yxy	41.5223, 0.5052, 0.4034
Android (android.graphics.Color)	4294938683 (0xFFFF903B)
YUV	167.4990, -53.4900, 76.7384
Hunter-Lab	64.4378, 31.2872, 36.4469

Details

The XYZ color **52.0027, 41.5223, 9.4114** 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 **34.2273, 36.8970, 99.9250**, and the grayscale version is **37.1967, 39.1338, 42.6167**.

A 20% lighter version of the original color is **64.5881, 63.2767, 24.1387**, and **25.5654, 18.8608, 2.2930** is the 20% darker color. If you saturate the color by 10%, you get **49.4465, 37.2229, 6.0546**, and if you desaturate by 10%, it is **55.1632, 46.5147, 14.5619**.

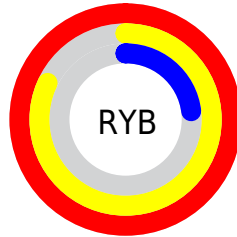
Distribution



Red (100%)

Green (56%)

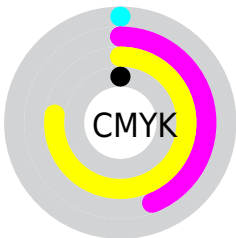
Blue (23%)



Red (100%)

Yellow (82%)

Blue (23%)

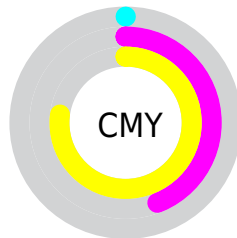


Cyan (0%)

Magenta (44%)

Yellow (77%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0027, 41.5223, 9.4114 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 52.0027, 41.5223, 9.4114 by changing the saturation by 10% instead.


 52.0027, 41.5223,
9.4114


 52.0027, 41.5223,
9.4114


384.7708,
352.4988, 196.7476

 37.2315, 28.7274,
4.9100

 92.3094, 77.4761,
25.2726


 25.5613, 18.8747,
2.1367


 118.5757,
101.4039, 37.4696


 16.6267, 11.5798,
0.6375


 149.4043,
129.8114, 53.0688

 10.0623, 6.4582,
0.0000

 185.1607,
163.0830, 72.4888

 5.5029, 3.1257,
0.0000

 226.2102,
201.6032, 96.1481

 2.5830, 1.1977,
0.0000

 272.9181,

 0.9373, 0.0598,

245.7563, 124.4653

0.0000

325.6499,
295.9267, 157.8590

■ 0.0000, 0.0000,
0.0000

■ 52.0027, 41.5223,
9.4114

■ 52.0027, 41.5223,
9.4114

■ 49.4465, 37.2229,
6.0546

■ 55.1632, 46.5147,
14.5619

■ 47.4288, 33.5678,
4.2093

■ 58.9765, 52.2301,
21.7255

■ 46.8801, 32.5406,
3.8101

■ 63.4886, 58.7037,
31.0922

■ 68.7394, 65.9661,
42.8290

■ 74.7658, 74.0457,
57.0864

81.6018, 82.9696,
74.0025

89.2791, 92.7633,
93.7054

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.



62.3825, 41.5223, 20.4498



52.0027, 41.5223, 9.4114



39.6962, 41.5223, 6.6111

Triad

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



52.0027, 41.5223, 9.4114



21.0308, 41.5223, 44.5551



51.5253, 41.5223, 127.3296

Complementary

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



52.0027, 41.5223, 9.4114



34.2273, 36.8970, 99.9250

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.



39.2361, 41.5223, 144.5417



52.0027, 41.5223, 9.4114



22.9862, 41.5223, 84.6194

Square

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



52.0027, 41.5223, 9.4114



23.1470, 41.5223, 19.7848



29.1253, 41.5223, 126.0202



62.0709, 41.5223, 86.3642

Rectangle

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



52.0027, 41.5223, 9.4114



32.4764, 41.5223, 7.6753



29.1253, 41.5223, 126.0202



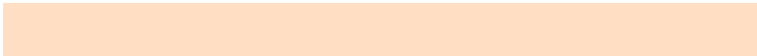
47.3920, 41.5223, 136.7748

Sweetspot

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



52.0036, 41.5245, 9.4121



77.3084, 77.3909, 63.2970



50.0659, 27.2929, 40.6929



16.0374, 15.8943, 12.3021



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.



52.0036, 41.5245, 9.4121



48.3475, 35.2673, 4.9397



73.7613, 85.0399, 16.6647



18.6574, 19.2829, 18.8830



24.6380, 17.2871, 2.0382



2.5051, 1.8956, 0.2338

Inverse Universe

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



34.2273, 36.8970, 99.9250



29.7793, 30.2381, 98.8747



22.1755, 12.7935, 95.9077



17.8567, 19.0850, 22.9926



14.8261, 14.5619, 51.4639



1.5523, 1.6352, 5.0471

Previews

White Background



This preview shows how the XYZ color 52.0027, 41.5223, 9.4114 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 52.0027, 41.5223, 9.4114 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 52.0027, 41.5223, 9.4114

Background



This preview shows how black text looks on a background with the XYZ color 52.0027, 41.5223, 9.4114.



This preview shows how white text looks on a background with the XYZ color 52.0027, 41.5223,

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

52.0027, 41.5223, 9.4114

Protanopia

37.9490, 41.6298, 11.3454

Deuteranopia

42.5106, 41.5506, 9.0283



Tritanopia

55.5949, 41.5435, 32.6923

Trichromacy



Original Color

52.0027, 41.5223, 9.4114

Protanomaly

42.1646, 40.8098, 10.5052

Deuteranomaly

45.7016, 41.3787, 9.1926

Tritanomaly

53.7126, 41.2540, 21.3515

Monochromacy



Original Color

52.0027, 41.5223, 9.4114

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.1138, 38.6341, 25.7650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0027, 41.5223, 9.4114 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, 144, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 59)  
}
```

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, 144, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 59) }
```

Border

The CSS property to change the border of an element to XYZ 52.0027, 41.5223, 9.4114 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, 144, 59) }
```


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

```
.border{ border-color:rgb(255, 144, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 144, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0027, 41.5223, 9.4114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 59) }
```

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

```
.background{ background-color: rgb(255,  
144, 59) }
```

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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