

Converting Colors

XYZ(52.3612, 42.1547, 9.7918)

Have a look what the booklet for
XYZ(52.3612, 42.1547, 9.7918)
contains.

XYZ(52.3612, 42.1547, 9.7918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.3612, 42.1547,
9.7918)**

Conversions

Conversions Part 1

Format	Color
Hex	FF923D
RGB	255, 146, 61
RGB Percent	100%, 57%, 24%
CMY	0.0000, 0.4274, 0.7608
CMYK	0.00, 0.43, 0.76, 0.00
HSL	26°, 100%, 62%
HSV	26°, 76%, 100%
XYZ	52.3612, 42.1547, 9.7918
YIQ	168.9010, 92.2490, -3.3270

Conversions

Conversions Part 2

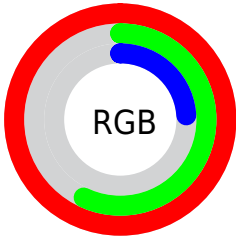
Format	Color
R _Y B	255, 212, 61
Decimal	16749117
CIE Lab	70.98, 34.98, 60.36
CIE LCh	71, 69.761, 59.905
Yxy	42.1547, 0.5020, 0.4041
Android (android.graphics.Color)	4294939197 (0xFFFF923D)
YUV	168.9010, -53.1952, 75.5088
Hunter-Lab	64.9267, 30.3327, 36.5069

Details

The XYZ color **52.3612, 42.1547, 9.7918** 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 **34.3481, 36.9594, 99.9306**, and the grayscale version is **37.8872, 39.8602, 43.4078**.

A 20% lighter version of the original color is **65.1073, 64.2255, 24.5880**, and **25.7409, 19.2119, 2.3516** is the 20% darker color. If you saturate the color by 10%, you get **49.7587, 37.8004, 6.3032**, and if you desaturate by 10%, it is **55.5686, 47.1975, 15.0919**.

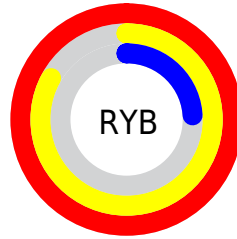
Distribution



Red (100%)

Green (57%)

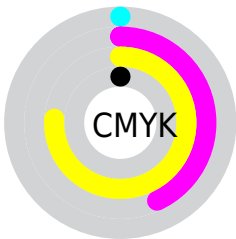
Blue (24%)



Red (100%)

Yellow (83%)

Blue (24%)

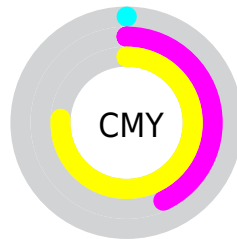


Cyan (0%)

Magenta (43%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3612, 42.1547, 9.7918 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 52.3612, 42.1547, 9.7918 by changing the saturation by 10% instead.


 52.3612, 42.1547,
9.7918


 52.3612, 42.1547,
9.7918


386.1306,
355.1238, 199.6101


 37.5185, 29.2224,
5.1573


 92.8348, 78.4337,
26.0048

 25.7847, 19.2492,
2.2795


 119.1964,
102.5492, 38.4205


 16.7945, 11.8505,
0.7197


 150.1283,
131.1613, 54.2669

 10.1825, 6.6419,
0.0000

 185.9960,
164.6544, 73.9627

 5.5833, 3.2392,
0.0000

 227.1646,
203.4127, 97.9264

 2.6316, 1.2578,
0.0000

273.9997,

 0.9621, 0.1082,

247.8208, 126.5765

0.0000

326.8666,
298.2631, 160.3315

■ 0.0000, 0.0000,
0.0000

■ 52.3612, 42.1547,
9.7918

■ 52.3612, 42.1547,
9.7918

■ 49.7587, 37.8004,
6.3032

■ 55.5686, 47.1975,
15.0919

■ 47.6972, 34.0872,
4.3528

■ 59.4285, 52.9577,
22.4196

■ 47.0047, 32.7898,
3.8516

■ 63.9860, 59.4700,
31.9627

■ 69.2808, 66.7643,
43.8867

■ 75.3491, 74.8685,
58.3410

82.2247, 83.8092,
75.4628

89.9388, 93.6112,
95.3792

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.



62.7508, 42.1547, 20.7977



52.3612, 42.1547, 9.7918



40.1040, 42.1547, 7.0211

Triad

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



52.3612, 42.1547, 9.7918



21.6041, 42.1547, 45.7929



52.2843, 42.1547, 126.8278

Complementary

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



52.3612, 42.1547, 9.7918



34.3481, 36.9594, 99.9306

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.



40.0296, 42.1547, 144.3739



52.3612, 42.1547, 9.7918



23.6375, 42.1547, 85.8143

Square

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



52.3612, 42.1547, 9.7918



23.6637, 42.1547, 20.6891



29.8653, 42.1547, 126.6183



62.7007, 42.1547, 86.0945

Rectangle

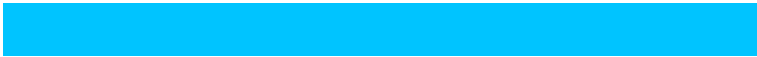
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.3612, 42.1547, 9.7918



32.9242, 42.1547, 8.1734



29.8653, 42.1547, 126.6183



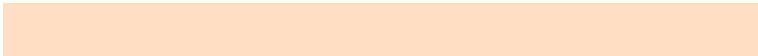
48.1742, 42.1547, 136.3138

Sweetspot

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



52.3622, 42.1569, 9.7926



77.3780, 77.5301, 63.3202



50.2530, 27.5354, 41.1613



16.0541, 15.9277, 12.3077



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.



52.3622, 42.1569, 9.7926



48.6809, 35.8952, 5.1707



73.8539, 85.1404, 16.9565



18.6642, 19.2967, 18.8852



24.7037, 17.4187, 2.0601



2.5118, 1.9090, 0.2361

Inverse Universe

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



34.3481, 36.9594, 99.9306



29.8460, 30.2892, 98.8811



22.4190, 13.1011, 95.9542



17.8497, 19.0711, 22.9902



14.7361, 14.3818, 51.4339



1.5436, 1.6180, 5.0442

Previews

White Background



This preview shows how the XYZ color 52.3612, 42.1547, 9.7918 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 52.3612, 42.1547, 9.7918 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 52.3612, 42.1547, 9.7918

Background



This preview shows how black text looks on a background with the XYZ color 52.3612, 42.1547, 9.7918.



This preview shows how white text looks on a background with the XYZ color 52.3612, 42.1547,

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

52.3612, 42.1547, 9.7918

Protanopia

38.4584, 42.1711, 11.7431

Deuteranopia

43.0582, 42.0915, 9.4695



Tritanopia

56.0429, 42.1861, 33.6227

Trichromacy



Original Color

52.3612, 42.1547, 9.7918

Protanomaly

42.5777, 41.5432, 10.9288

Deuteranomaly

45.9204, 41.7381, 9.5069

Tritanomaly

54.1239, 41.8904, 22.0626

Monochromacy



Original Color

52.3612, 42.1547, 9.7918

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.5936, 39.3808, 26.5808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3612, 42.1547, 9.7918 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, 146, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 61)  
}
```

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, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 61) }
```

Border

The CSS property to change the border of an element to XYZ 52.3612, 42.1547, 9.7918 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, 146, 61) }
```


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

```
.border{ border-color:rgb(255, 146, 61) }
```

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, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3612, 42.1547, 9.7918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 61) }
```

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

```
.background{ background-color: rgb(255,  
146, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor