

Converting Colors

XYZ(51.4428, 41.9396, 6.2589)

Have a look what the booklet for
XYZ(51.4428, 41.9396, 6.2589)
contains.

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Color

**XYZ(51.4716, 42.0042,
6.2589)**

Conversions

Conversions Part 1

Format	Color
Hex	FE9318
RGB	254, 147, 24
RGB Percent	100%, 58%, 9%
CMY	0.0039, 0.4235, 0.9059
CMYK	0.00, 0.42, 0.91, 0.00
HSL	32°, 99%, 55%
HSV	32°, 91%, 100%
XYZ	51.4716, 42.0042, 6.2589
YIQ	164.9710, 103.2550, -15.5690

Conversions

Conversions Part 2

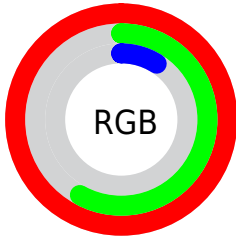
Format	Color
R_{YB}	224, 254, 24
Decimal	16683800
CIE _{Lab}	70.87, 33.09, 72.60
CIE _{LCh}	71, 79.783, 65.494
Yxy	42.0042, 0.5161, 0.4212
Android (android.graphics.Color)	4294873880 (0xFFFE9318)
YUV	164.9710, -69.4987, 78.0784
Hunter-Lab	64.8106, 28.3433, 39.6417

Details

The XYZ color **51.4716, 42.0042, 6.2589** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **26.3821, 23.5819, 96.9264**, and the grayscale version is **36.0400, 37.9169, 41.2915**.

A 20% lighter version of the original color is **64.0002, 64.1569, 17.6047**, and **25.3274, 19.1316, 2.3579** is the 20% darker color. If you saturate the color by 10%, you get **49.6543, 38.6339, 4.8400**, and if you desaturate by 10%, it is **53.8035, 46.0315, 9.0001**.

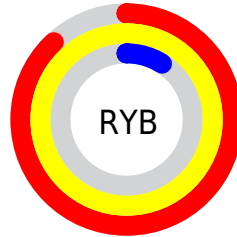
Distribution



Red (100%)

Green (58%)

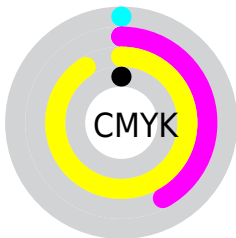
Blue (9%)



Red (88%)

Yellow (100%)

Blue (9%)

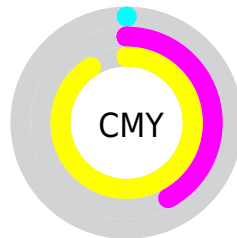


Cyan (0%)

Magenta (42%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4716, 42.0042, 6.2589 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 51.4716, 42.0042, 6.2589 by changing the saturation by 10% instead.


 51.4716, 42.0042,
6.2589

 51.4716, 42.0042,
6.2589


382.7508,
354.5003, 170.7455

 36.8066, 29.1046,
2.9318


 91.5303, 78.2060,
18.9528


 25.2308, 19.1599,
1.0599


 117.6548,
102.2769, 29.1567

 16.3787, 11.7859,
0.0000


 148.3299,
130.8405, 42.4900

 9.8851, 6.5981,
0.0000

 183.9208,
164.2809, 59.3711

 5.3845, 3.2120,
0.0000

 224.7930,
202.9828, 80.2187

 2.5117, 1.2434,
0.0000

 271.3119,

 0.9011, 0.0967,

247.3303, 105.4513

0.0000

323.8427,
297.7081, 135.4874

■ 0.0000, 0.0000,
0.0000

■ 51.4716, 42.0042,
6.2589

■ 51.4716, 42.0042,
6.2589

■ 49.6543, 38.6339,
4.8400

■ 53.8035, 46.0315,
9.0001

■ 56.6309, 50.5658,
13.3973

■ 60.0043, 55.6374,
19.6855

■ 63.9654, 61.2713,
28.0608

■ 68.5514, 67.4898,
38.6944

73.7956, 74.3138,
51.7396

79.7290, 81.7630,
67.3362

86.3800, 89.8557,
85.6130

93.7756, 98.6096,
106.6903

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.5131, 42.0042, 15.0722



51.4716, 42.0042, 6.2589



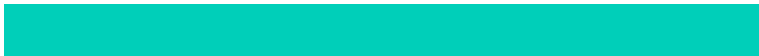
37.5300, 42.0042, 4.7420

Triad

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



51.4716, 42.0042, 6.2589



19.5286, 42.0042, 53.0956



56.6489, 42.0042, 134.7740

Complementary

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



51.4716, 42.0042, 6.2589



26.3821, 23.5819, 96.9264

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.



42.4172, 42.0042, 163.8724



51.4716, 42.0042, 6.2589



22.5427, 42.0042, 102.6458

Square

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



51.4716, 42.0042, 6.2589



20.9145, 42.0042, 21.6255



30.2468, 42.0042, 149.6740



67.9363, 42.0042, 83.2406

Rectangle

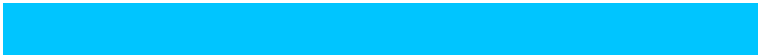
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.4716, 42.0042, 6.2589



29.9165, 42.0042, 6.4014



30.2468, 42.0042, 149.6740



51.9455, 42.0042, 148.5029

Sweetspot

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



51.4725, 42.0064, 6.2596



76.4989, 77.5716, 57.4789



45.3190, 23.3720, 23.7151



15.9527, 16.0689, 11.2135



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.



51.4725, 42.0064, 6.2596



50.0971, 38.9742, 4.8824



73.7292, 90.6020, 14.4665



18.8139, 19.5960, 18.9351



26.3279, 20.6670, 2.6015



2.6728, 2.2311, 0.2898

Inverse Universe

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



26.3821, 23.5819, 96.9264



24.6022, 20.3245, 97.2341



18.8015, 8.1111, 94.3397



17.6995, 18.7707, 22.9402



13.0013, 10.9121, 50.8556



1.3739, 1.2786, 4.9876

Previews

White Background



This preview shows how the XYZ color 51.4716, 42.0042, 6.2589 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 51.4716, 42.0042, 6.2589 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 51.4716, 42.0042, 6.2589

Background



This preview shows how black text looks on a background with the XYZ color 51.4716, 42.0042, 6.2589.



This preview shows how white text looks on a background with the XYZ color 51.4716, 42.0042,

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

51.4716, 42.0042, 6.2589

Protanopia

38.1617, 42.1122, 7.4836

Deuteranopia

42.9703, 42.1259, 5.8663



Tritanopia

55.8179, 41.8634, 33.1555

Trichromacy



Original Color

51.4716, 42.0042, 6.2589

Protanomaly

42.1125, 41.3913, 6.9322

Deuteranomaly

45.5549, 41.6292, 5.8927

Tritanomaly

53.3612, 41.5853, 18.0463

Monochromacy



Original Color

51.4716, 42.0042, 6.2589

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

38.2901, 37.5389, 21.1472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4716, 42.0042, 6.2589 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(254, 147, 24)` looks like.

```
.text, #text, p{  
    color:rgb(254, 147, 24)  
}
```

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(254, 147, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 147, 24) }
```

Border

The CSS property to change the border of an element to XYZ 51.4716, 42.0042, 6.2589 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(254, 147, 24) }
```


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

```
.border{ border-color:rgb(254, 147, 24) }
```

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

Here you see how a box with a 4 pixel rgb(254, 147, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 147, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 147, 24);  
box-shadow:4px 4px 4px 4px rgb(254, 147,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4716, 42.0042, 6.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 147, 24) }
```

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

```
.background{ background-color: rgb(254,  
147, 24) }
```

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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