

Converting Colors

XYZ(51.8234, 41.5568, 8.1412)

Have a look what the booklet for
XYZ(51.8234, 41.5568, 8.1412)
contains.

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Color

**XYZ(51.7676, 41.4283,
8.1737)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9031
RGB	255, 144, 49
RGB Percent	100%, 56%, 19%
CMY	0.0000, 0.4353, 0.8078
CMYK	0.00, 0.44, 0.81, 0.00
HSL	28°, 100%, 60%
HSV	28°, 81%, 100%
XYZ	51.7676, 41.4283, 8.1737
YIQ	166.3590, 96.6510, -6.0130

Conversions

Conversions Part 2

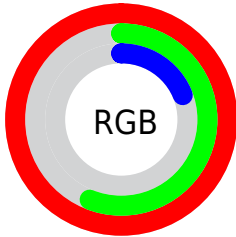
Format	Color
R_{YB}	255, 225, 49
Decimal	16748593
CIE _{Lab}	70.47, 35.59, 64.73
CIE _{LCh}	70, 73.866, 61.194
Yxy	41.4283, 0.5107, 0.4087
Android (android.graphics.Color)	4294938673 (0xFFFF9031)
YUV	166.3590, -57.8580, 77.7382
Hunter-Lab	64.3648, 30.9263, 37.5261

Details

The XYZ color **51.7676, 41.4283, 8.1737** 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 **31.8864, 33.0125, 99.2983**, and the grayscale version is **36.6594, 38.5685, 42.0011**.

A 20% lighter version of the original color is **64.1116, 63.0861, 21.6298**, and **25.5654, 18.8608, 2.2930** is the 20% darker color. If you saturate the color by 10%, you get **49.4178, 37.3605, 5.4440**, and if you desaturate by 10%, it is **54.6765, 46.1286, 12.5897**.

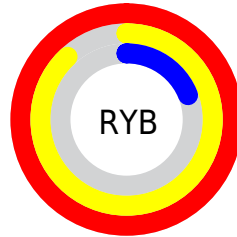
Distribution



Red (100%)

Green (56%)

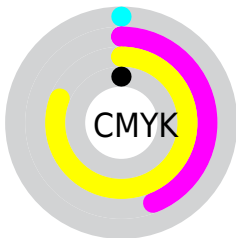
Blue (19%)



Red (100%)

Yellow (88%)

Blue (19%)

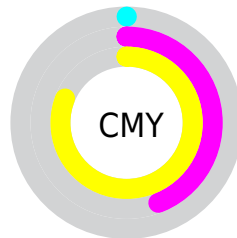


Cyan (0%)

Magenta (44%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (44%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7676, 41.4283, 8.1737 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 51.7676, 41.4283, 8.1737 by changing the saturation by 10% instead.

 51.7676, 41.4283,
8.1737


 51.7676, 41.4283,
8.1737


383.8775,
352.1075, 187.0733

 37.0434, 28.6539,
4.1169


 91.9647, 77.3336,
22.8500

 25.4149, 18.8192,
1.6897


 118.1682,
101.2334, 34.3067

 16.5168, 11.5397,
0.3537


 148.9290,
129.6103, 49.0670

 9.9838, 6.4311,
0.0000

 184.6122,
162.8489, 67.5496

 5.4504, 3.1089,
0.0000

 225.5833,
201.3336, 90.1730

 2.5513, 1.1889,
0.0000

 272.2077,

 0.9212, 0.0526,

245.4486, 117.3557

0.0000

324.8506,
295.5785, 149.5163

■ 0.0000, 0.0000,
0.0000

■ 51.7676, 41.4283,
8.1737

■ 51.7676, 41.4283,
8.1737

■ 49.4178, 37.3605,
5.4440

■ 54.6765, 46.1286,
12.5897

■ 47.6716, 34.1239,
4.0740

■ 58.1950, 51.4900,
18.9286

■ 62.3698, 57.5460,
27.3910

■ 67.2412, 64.3252,
38.1512

■ 72.8460, 71.8545,
51.3653

■ 79.2179, 80.1588,
67.1755

■ 86.3884, 89.2620,
85.7131

■ 94.3870, 99.1866,
107.1004

■ 95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



62.9881, 41.4283, 18.5318



51.7676, 41.4283, 8.1737



38.8905, 41.4283, 5.7983

Triad

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



51.7676, 41.4283, 8.1737



20.3025, 41.4283, 46.5202



52.7884, 41.4283, 130.1978

Complementary

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



51.7676, 41.4283, 8.1737



31.8864, 33.0125, 99.2983

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.



39.8663, 41.4283, 150.8211



51.7676, 41.4283, 8.1737



22.5540, 41.4283, 89.5060

Square

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



51.7676, 41.4283, 8.1737



22.2192, 41.4283, 19.9018



29.1393, 41.4283, 133.0510



63.6578, 41.4283, 85.7385

Rectangle

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



51.7676, 41.4283, 8.1737



31.5048, 41.4283, 7.0275



29.1393, 41.4283, 133.0510



48.4606, 41.4283, 140.9379

Sweetspot

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



51.7685, 41.4305, 8.1744



77.0832, 77.4021, 61.7986



48.8864, 26.0760, 36.7793



16.0131, 15.9340, 12.0220



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.



51.7685, 41.4305, 8.1744



48.2080, 35.1290, 4.4594



74.3555, 86.6045, 15.7034



18.6997, 19.3676, 18.8971



25.0553, 18.1218, 2.1773



2.5474, 1.9802, 0.2479

Inverse Universe

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



31.8864, 33.0125, 99.2983



27.6592, 26.2963, 98.2256



20.8962, 11.0321, 95.6349



17.8138, 18.9991, 22.9783



14.2863, 13.4822, 51.2839



1.5004, 1.5314, 5.0298

Previews

White Background



This preview shows how the XYZ color 51.7676, 41.4283, 8.1737 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 51.7676, 41.4283, 8.1737 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 51.7676, 41.4283, 8.1737

Background



This preview shows how black text looks on a background with the XYZ color 51.7676, 41.4283, 8.1737.



This preview shows how white text looks on a background with the XYZ color 51.7676, 41.4283, 8.1737.

8.1737.

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

51.7676, 41.4283, 8.1737

Protanopia

37.6744, 41.5200, 9.8994

Deuteranopia

42.2910, 41.4627, 7.8720



Tritanopia

55.5168, 41.5123, 32.2807

Trichromacy



Original Color

51.7676, 41.4283, 8.1737

Protanomaly

41.9051, 40.7059, 9.1384

Deuteranomaly

45.4666, 41.2847, 7.9553

Tritanomaly

53.4873, 41.1639, 20.1653

Monochromacy



Original Color

51.7676, 41.4283, 8.1737

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.0907, 37.8895, 23.9920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7676, 41.4283, 8.1737 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 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, 144, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 49) }
```

Border

The CSS property to change the border of an element to XYZ 51.7676, 41.4283, 8.1737 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, 49) }
```


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

```
.border{ border-color:rgb(255, 144, 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, 144, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7676, 41.4283, 8.1737 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, 49) }
```

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

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