

Converting Colors

XYZ(110.4901, 71.6704,
11.2130)

Have a look what the booklet for
XYZ(110.4901, 71.6704, 11.2130)
contains.

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Color

**XYZ(51.8331, 41.4545,
8.5184)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9034
RGB	255, 144, 52
RGB Percent	100%, 56%, 20%
CMY	0.0000, 0.4353, 0.7961
CMYK	0.00, 0.44, 0.80, 0.00
HSL	27°, 100%, 60%
HSV	27°, 80%, 100%
XYZ	51.8331, 41.4545, 8.5184
YIQ	166.7010, 95.6880, -5.0800

Conversions

Conversions Part 2

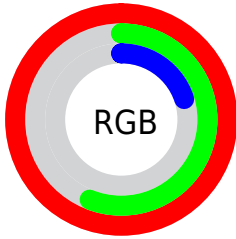
Format	Color
R_{YB}	255, 220, 52
Decimal	16748596
CIE _{Lab}	70.49, 35.69, 63.59
CIE _{LCh}	70, 72.916, 60.699
Yxy	41.4545, 0.5091, 0.4072
Android (android.graphics.Color)	4294938676 (0xFFFF9034)
YUV	166.7010, -56.5476, 77.4382
Hunter-Lab	64.3852, 31.0269, 37.2253

Details

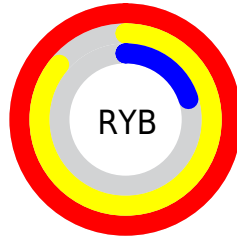
The XYZ color **51.8331, 41.4545, 8.5184** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.5623, 34.1424, 99.4809**, and the grayscale version is **36.8201, 38.7376, 42.1853**.

A 20% lighter version of the original color is **64.2132, 63.1268, 22.1649**, and **25.5654, 18.8608, 2.2930** is the 20% darker color. If you saturate the color by 10%, you get **49.4231, 37.3194, 5.6055**, and if you desaturate by 10%, it is **54.8154, 46.2396, 13.1506**.

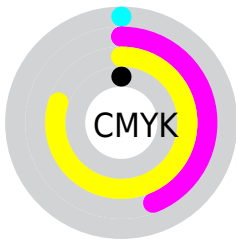
Distribution



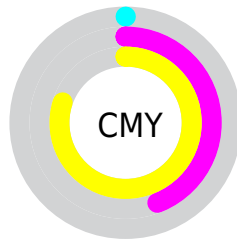
- Red (100%)
- Green (56%)
- Blue (20%)



- Red (100%)
- Yellow (86%)
- Blue (20%)



- Cyan (0%)
- Magenta (44%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8331, 41.4545, 8.5184 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 51.8331, 41.4545, 8.5184 by changing the saturation by 10% instead.


 51.8331, 41.4545,
8.5184


 51.8331, 41.4545,
8.5184

384.1265,
352.2166, 189.8272

 37.0958, 28.6744,
4.3359


 92.0607, 77.3734,
23.5313


 25.4557, 18.8346,
1.8114


 118.2818,
101.2809, 35.1989

 16.5474, 11.5509,
0.4354


 149.0614,
129.6664, 50.1985

 10.0056, 6.4386,
0.0000

 184.7651,
162.9142, 68.9488

 5.4650, 3.1136,
0.0000

 225.7580,
201.4087, 91.8683

 2.5601, 1.1913,
0.0000

 272.4057,

 0.9257, 0.0546,

245.5344, 119.3755

0.0000

325.0734,
295.6755, 151.8890

■ 0.0000, 0.0000,
0.0000

■ 51.8331, 41.4545,
8.5184

■ 51.8331, 41.4545,
8.5184

■ 49.4231, 37.3194,
5.6055

■ 54.8154, 46.2396,
13.1506

■ 47.5047, 33.7812,
4.0454

■ 58.4201, 51.7034,
19.7333

■ 47.4361, 33.6528,
3.9955

■ 62.6933, 57.8801,
28.4636

■ 67.6754, 64.7987,
39.5134

■ 73.4031, 72.4865,
53.0372

■ 79.9101, 80.9691,
69.1759

■ 87.2280, 90.2707,
88.0598

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.



62.8107, 41.4545, 19.0707



51.8331, 41.4545, 8.5184



39.1200, 41.4545, 6.0255

Triad

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



51.8331, 41.4545, 8.5184



20.5105, 41.4545, 45.9492



52.4216, 41.4545, 129.3593

Complementary

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



51.8331, 41.4545, 8.5184



32.5623, 34.1424, 99.4809

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.



39.6839, 41.4545, 148.9867



51.8331, 41.4545, 8.5184



22.6781, 41.4545, 88.0788

Square

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



51.8331, 41.4545, 8.5184



22.4835, 41.4545, 19.8691



29.1354, 41.4545, 130.9955



63.1963, 41.4545, 85.9127

Rectangle

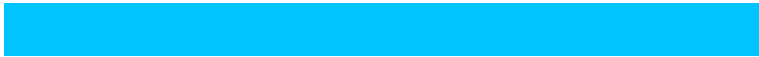
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8331, 41.4545, 8.5184



31.7817, 41.4545, 7.2107



29.1354, 41.4545, 130.9955



48.1506, 41.4545, 139.7221

Sweetspot

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



51.8340, 41.4567, 8.5191



76.9539, 77.1435, 61.7555



49.1371, 26.3838, 37.4596



15.9822, 15.8723, 12.0117



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.



51.8340, 41.4567, 8.5191



48.1517, 34.9941, 4.5096



74.4664, 86.7215, 16.0633



18.6874, 19.3431, 18.8930



24.9312, 17.8737, 2.1359



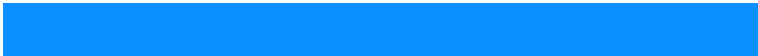
2.5349, 1.9552, 0.2438

Inverse Universe

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



32.5623, 34.1424, 99.4809



28.1582, 27.2469, 98.3828



21.1971, 11.4120, 95.6925



17.8262, 19.0240, 22.9824



14.4393, 13.7881, 51.3349



1.5151, 1.5609, 5.0347

Previews

White Background



This preview shows how the XYZ color 51.8331, 41.4545, 8.5184 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 51.8331, 41.4545, 8.5184 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 51.8331, 41.4545, 8.5184

Background



This preview shows how black text looks on a background with the XYZ color 51.8331, 41.4545, 8.5184.



This preview shows how white text looks on a background with the XYZ color 51.8331, 41.4545,

8.5184.

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

51.8331, 41.4545, 8.5184

Protanopia

37.7515, 41.5508, 10.3054

Deuteranopia

42.3454, 41.4845, 8.1583



Tritanopia

55.5949, 41.5435, 32.6923

Trichromacy



Original Color

51.8331, 41.4545, 8.5184

Protanomaly

41.9778, 40.7350, 9.5211

Deuteranomaly

45.5251, 41.3081, 8.2632

Tritanomaly

53.5427, 41.1860, 20.4569

Monochromacy



Original Color

51.8331, 41.4545, 8.5184

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.6530, 38.4191, 24.7277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8331, 41.4545, 8.5184 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 52) }
```

Border

The CSS property to change the border of an element to XYZ 51.8331, 41.4545, 8.5184 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, 52) }
```


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

```
.border{ border-color:rgb(255, 144, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8331, 41.4545, 8.5184 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, 52) }
```

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

```
.background{ background-color: rgb(255,  
144, 52) }
```

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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