

Converting Colors

XYZ(60.2129, 47.5346, 9.2309)

Have a look what the booklet for
XYZ(60.2129, 47.5346, 9.2309)
contains.

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Color

**XYZ(53.0881, 43.9644,
8.9367)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9834
RGB	255, 152, 52
RGB Percent	100%, 60%, 20%
CMY	0.0000, 0.4039, 0.7961
CMYK	0.00, 0.40, 0.80, 0.00
HSL	30°, 100%, 60%
HSV	30°, 80%, 100%
XYZ	53.0881, 43.9644, 8.9367
YIQ	171.3970, 93.4880, -9.2640

Conversions

Conversions Part 2

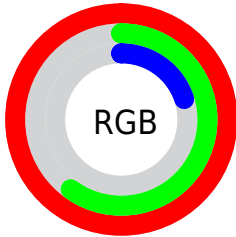
Format	Color
R_{YB}	255, 249, 52
Decimal	16750644
CIE _{Lab}	72.20, 31.58, 65.16
CIE _{LCh}	72, 72.409, 64.144
Yxy	43.9644, 0.5009, 0.4148
Android (android.graphics.Color)	4294940724 (0xFFFF9834)
YUV	171.3970, -58.8627, 73.3198
Hunter-Lab	66.3057, 26.8824, 38.4228

Details

The XYZ color **53.0881, 43.9644, 8.9367** 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 **31.1867, 31.3911, 99.0225**, and the grayscale version is **39.1639, 41.2035, 44.8706**.

A 20% lighter version of the original color is **66.1543, 66.9263, 23.0670**, and **26.2954, 20.3208, 2.5364** is the 20% darker color. If you saturate the color by 10%, you get **50.6746, 39.8222, 6.0226**, and if you desaturate by 10%, it is **56.0424, 48.6933, 13.5596**.

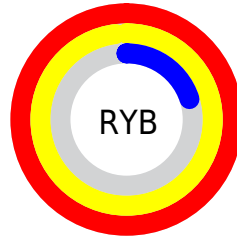
Distribution



Red (100%)

Green (60%)

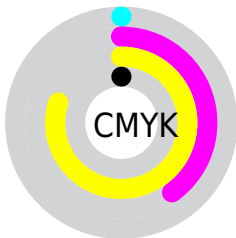
Blue (20%)



Red (100%)

Yellow (98%)

Blue (20%)

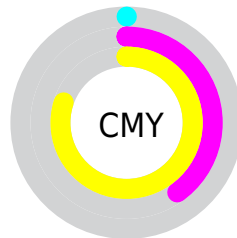


Cyan (0%)

Magenta (40%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0881, 43.9644, 8.9367 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 53.0881, 43.9644, 8.9367 by changing the saturation by 10% instead.


 53.0881, 43.9644,
8.9367


 53.0881, 43.9644,
8.9367


388.8784,
362.5630, 193.1056


 38.1009, 30.6425,
4.6037

 93.8988, 81.1642,
24.3511

 26.2386, 20.3268,
1.9620


 120.4529,
105.8109, 36.2695

 17.1358, 12.6328,
0.5318


 151.5934,
135.0013, 51.5535

 10.4273, 7.1762,
0.0000

 187.6855,
169.1198, 70.6216

 5.7476, 3.5725,
0.0000

 229.0948,
208.5508, 93.8923

 2.7314, 1.4374,
0.0000

 276.1864,

 1.0134, 0.2441,

253.6788, 121.7842

0.0000

329.3258,
304.8880, 154.7158

■ 0.0000, 0.0000,
0.0000

■ 53.0881, 43.9644,
8.9367

■ 53.0881, 43.9644,
8.9367

■ 50.6746, 39.8222,
6.0226

■ 56.0424, 48.6933,
13.5596

■ 48.7230, 36.2176,
4.4515

■ 59.5851, 54.0333,
20.1217

■ 48.6525, 36.0854,
4.4009

■ 63.7608, 60.0149,
28.8195

■ 68.6081, 66.6638,
39.8244

■ 74.1618, 74.0038,
53.2903

80.4543, 82.0574,
69.3575

87.5156, 90.8458,
88.1559

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.



64.8253, 43.9644, 18.8341



53.0881, 43.9644, 8.9367



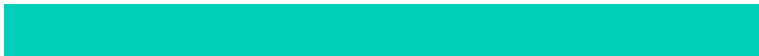
40.0853, 43.9644, 6.9312

Triad

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



53.0881, 43.9644, 8.9367



22.2108, 43.9644, 52.9826



56.6710, 43.9644, 129.6913

Complementary

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



53.0881, 43.9644, 8.9367



31.1867, 31.3911, 99.0225

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.



43.5359, 43.9644, 153.5824



53.0881, 43.9644, 8.9367



24.9778, 43.9644, 97.4180

Square

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



53.0881, 43.9644, 8.9367



23.7735, 43.9644, 23.8129



32.2153, 43.9644, 139.5324



67.1649, 43.9644, 84.3111

Rectangle

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



53.0881, 43.9644, 8.9367



32.7621, 43.9644, 8.6575



32.2153, 43.9644, 139.5324



52.3331, 43.9644, 141.3022

Sweetspot

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



53.0891, 43.9667, 8.9375



77.5973, 78.4303, 61.9700



48.5438, 26.1465, 34.3348



16.1359, 16.1796, 12.0630



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.



53.0891, 43.9667, 8.9375



49.3852, 37.4609, 4.9207



76.5496, 90.8877, 16.7577



18.7484, 19.4649, 18.9133



25.5709, 19.1530, 2.3492



2.5988, 2.0829, 0.2651

Inverse Universe

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



31.1867, 31.3911, 99.0225



26.7584, 24.4472, 97.9162



20.8508, 10.7193, 95.5772



17.7648, 18.9013, 22.9620



13.7092, 12.3280, 51.0916



1.4441, 1.4190, 5.0110

Previews

White Background



This preview shows how the XYZ color 53.0881, 43.9644, 8.9367 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 53.0881, 43.9644, 8.9367 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 53.0881, 43.9644, 8.9367

Background



This preview shows how black text looks on a background with the XYZ color 53.0881, 43.9644, 8.9367.



This preview shows how white text looks on a background with the XYZ color 53.0881, 43.9644,

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

53.0881, 43.9644, 8.9367

Protanopia

40.2630, 44.2987, 10.5661

Deuteranopia

44.9272, 43.8905, 8.6886



Tritanopia

57.2818, 43.8774, 36.4604

Trichromacy



Original Color

53.0881, 43.9644, 8.9367

Protanomaly

44.1152, 43.7215, 9.8554

Deuteranomaly

47.7148, 43.7162, 8.7195

Tritanomaly

55.0999, 43.7478, 22.6796

Monochromacy



Original Color

53.0881, 43.9644, 8.9367

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.5289, 40.6660, 26.0826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0881, 43.9644, 8.9367 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, 152, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 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, 152, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 52) }
```

Border

The CSS property to change the border of an element to XYZ 53.0881, 43.9644, 8.9367 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, 152, 52) }
```


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

```
.border{ border-color:rgb(255, 152, 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, 152, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0881, 43.9644, 8.9367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 52) }
```

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

```
.background{ background-color: rgb(255,  
152, 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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