

Converting Colors

XYZ(52.9685, 43.8489, 8.5156)

Have a look what the booklet for
XYZ(52.9685, 43.8489, 8.5156)
contains.

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Color

**XYZ(53.0017, 43.9299,
8.4821)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9830
RGB	255, 152, 48
RGB Percent	100%, 60%, 19%
CMY	0.0000, 0.4039, 0.8118
CMYK	0.00, 0.40, 0.81, 0.00
HSL	30°, 100%, 59%
HSV	30°, 81%, 100%
XYZ	53.0017, 43.9299, 8.4821
YIQ	170.9410, 94.7720, -10.5080

Conversions

Conversions Part 2

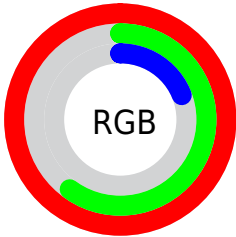
Format	Color
R_{YB}	253, 255, 48
Decimal	16750640
CIE _{Lab}	72.18, 31.45, 66.62
CIE _{LCh}	72, 73.673, 64.726
Yxy	43.9299, 0.5028, 0.4167
Android (android.graphics.Color)	4294940720 (0xFFFF9830)
YUV	170.9410, -60.6099, 73.7197
Hunter-Lab	66.2796, 26.7514, 38.8081

Details

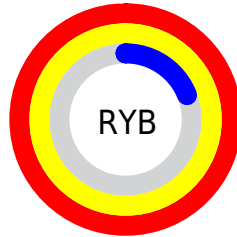
The XYZ color **53.0017, 43.9299, 8.4821** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.3347, 29.9799, 98.7948**, and the grayscale version is **38.9419, 40.9699, 44.6162**.

A 20% lighter version of the original color is **66.0010, 66.8649, 22.2596**, and **26.2954, 20.3208, 2.5364** is the 20% darker color. If you saturate the color by 10%, you get **50.6684, 39.8778, 5.8114**, and if you desaturate by 10%, it is **55.8592, 48.5480, 12.8178**.

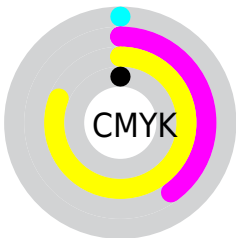
Distribution



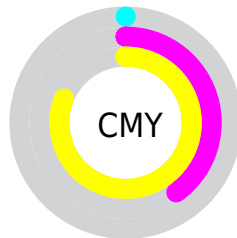
- Red (100%)
- Green (60%)
- Blue (19%)



- Red (99%)
- Yellow (100%)
- Blue (19%)



- Cyan (0%)
- Magenta (40%)
- Yellow (81%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.0017, 43.9299, 8.4821 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 53.0017, 43.9299, 8.4821 by changing the saturation by 10% instead.


 53.0017, 43.9299,
8.4821

 53.0017, 43.9299,
8.4821


388.5524,
362.4221, 189.5395

 38.0316, 30.6154,
4.3128


 93.7724, 81.1122,
23.4599

 26.1845, 20.3062,
1.7985


 120.3037,
105.7489, 35.1054

 17.0952, 12.6178,
0.4269


 151.4194,
134.9284, 50.0800

 10.3981, 7.1659,
0.0000

 187.4850,
169.0351, 68.8024

 5.7280, 3.5661,
0.0000

 228.8657,
208.4534, 91.6910

 2.7195, 1.4339,
0.0000

 275.9270,

 1.0072, 0.2415,

253.5678, 119.1643

0.0000

329.0341,
304.7626, 151.6410

■ 0.0000, 0.0000,
0.0000

■ 53.0017, 43.9299,
8.4821

■ 53.0017, 43.9299,
8.4821

■ 50.6684, 39.8778,
5.8114

■ 55.8592, 48.5480,
12.8178

■ 48.9749, 36.7304,
4.5084

■ 59.2898, 53.7564,
19.0563

■ 63.3383, 59.5852,
27.3988

■ 68.0437, 66.0595,
38.0199

■ 73.4410, 73.2028,
51.0757

79.5626, 81.0370,
66.7084

86.4384, 89.5829,
85.0491

94.0966, 98.8601,
106.2201

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.



65.0567, 43.9299, 18.1499



53.0017, 43.9299, 8.4821



39.7856, 43.9299, 6.6128

Triad

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



53.0017, 43.9299, 8.4821



21.9304, 43.9299, 53.7924



57.1680, 43.9299, 130.7635

Complementary

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



53.0017, 43.9299, 8.4821



30.3347, 29.9799, 98.7948

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.



43.7864, 43.9299, 155.9824



53.0017, 43.9299, 8.4821



24.8093, 43.9299, 99.3818

Square

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



53.0017, 43.9299, 8.4821



23.4222, 43.9299, 23.8629



32.2221, 43.9299, 142.2864



67.7822, 43.9299, 84.0857

Rectangle

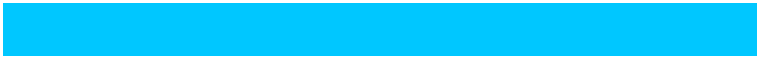
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.0017, 43.9299, 8.4821



32.3997, 43.9299, 8.3936



32.2221, 43.9299, 142.2864



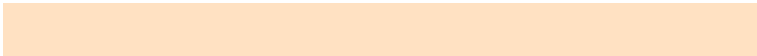
52.7550, 43.9299, 142.8693

Sweetspot

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



53.0027, 43.9322, 8.4829



77.7588, 78.7534, 62.0238



47.9234, 25.6247, 31.9122



16.1746, 16.2569, 12.0758



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.



53.0027, 43.9322, 8.4829



49.5237, 37.7604, 4.8980



77.5329, 92.9926, 16.6596



18.7636, 19.4953, 18.9184



25.7401, 19.4915, 2.4056



2.6155, 2.1163, 0.2706

Inverse Universe

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



30.3347, 29.9799, 98.7948



26.2245, 23.4268, 97.7474



20.3260, 9.9626, 95.4586



17.7496, 18.8708, 22.9569



13.5379, 11.9853, 51.0345



1.4273, 1.3853, 5.0054

Previews

White Background



This preview shows how the XYZ color 53.0017, 43.9299, 8.4821 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 53.0017, 43.9299, 8.4821 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 53.0017, 43.9299, 8.4821

Background



This preview shows how black text looks on a background with the XYZ color 53.0017, 43.9299, 8.4821.



This preview shows how white text looks on a background with the XYZ color 53.0017, 43.9299,

8.4821.

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

53.0017, 43.9299, 8.4821

Protanopia

40.1632, 44.2587, 10.0404

Deuteranopia

44.8343, 43.8533, 8.1993



Tritanopia

57.1981, 43.8439, 36.0199

Trichromacy



Original Color

53.0017, 43.9299, 8.4821

Protanomaly

44.0212, 43.6839, 9.3605

Deuteranomaly

47.6359, 43.6847, 8.3042

Tritanomaly

54.9244, 43.6776, 21.7554

Monochromacy



Original Color

53.0017, 43.9299, 8.4821

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.3985, 40.6138, 25.3960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0017, 43.9299, 8.4821 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, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 48)  
}
```

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, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 48) }
```

Border

The CSS property to change the border of an element to XYZ 53.0017, 43.9299, 8.4821 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, 48) }
```


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

```
.border{ border-color:rgb(255, 152, 48) }
```

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, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0017, 43.9299, 8.4821 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, 48) }
```

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

```
.background{ background-color: rgb(255,  
152, 48) }
```

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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