

Converting Colors

XYZ(53.2009, 44.3138, 8.5929)

Have a look what the booklet for
XYZ(53.2009, 44.3138, 8.5929)
contains.

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Color

**XYZ(53.1647, 44.2559,
8.5365)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9930
RGB	255, 153, 48
RGB Percent	100%, 60%, 19%
CMY	0.0000, 0.4000, 0.8117
CMYK	0.00, 0.40, 0.81, 0.00
HSL	30°, 100%, 59%
HSV	30°, 81%, 100%
XYZ	53.1647, 44.2559, 8.5365
YIQ	171.5280, 94.4970, -11.0310

Conversions

Conversions Part 2

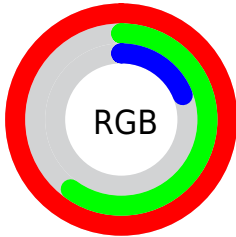
Format	Color
R_{YB}	249, 255, 48
Decimal	16750896
CIE _{Lab}	72.40, 30.94, 66.81
CIE _{LCh}	72, 73.629, 65.153
Yxy	44.2559, 0.5018, 0.4177
Android (android.graphics.Color)	4294940976 (0xFFFF9930)
YUV	171.5280, -60.8993, 73.2049
Hunter-Lab	66.5251, 26.2324, 38.9595

Details

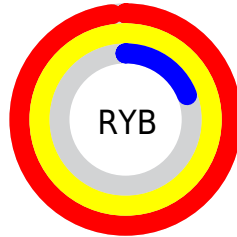
The XYZ color **53.1647, 44.2559, 8.5365** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.1745, 29.6596, 98.7414**, and the grayscale version is **39.2398, 41.2834, 44.9576**.

A 20% lighter version of the original color is **66.2441, 67.3510, 22.3406**, and **26.3919, 20.5138, 2.5686** is the 20% darker color. If you saturate the color by 10%, you get **50.8323, 40.2057, 5.8661**, and if you desaturate by 10%, it is **56.0176, 48.8647, 12.8707**.

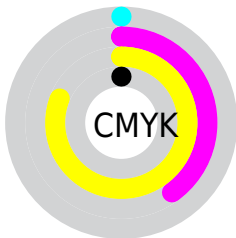
Distribution



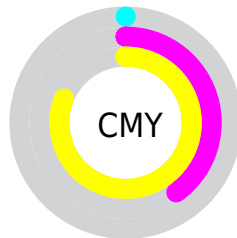
- Red (100%)
- Green (60%)
- Blue (19%)



- Red (98%)
- 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 53.1647, 44.2559, 8.5365 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 53.1647, 44.2559, 8.5365 by changing the saturation by 10% instead.


 53.1647, 44.2559,
8.5365

 53.1647, 44.2559,
8.5365


389.1672,
363.7515, 189.9705


 38.1623, 30.8717,
4.3475


 94.0108, 81.6027,
23.5670

 26.2864, 20.5012,
1.8178


 120.5851,
106.3341, 35.2455


 17.1719, 12.7599,
0.4397


 151.7475,
135.6167, 50.2576

 10.4532, 7.2634,
0.0000

 187.8633,
169.8349, 69.0218

 5.7650, 3.6274,
0.0000

 229.2978,
209.3731, 91.9566

 2.7420, 1.4674,
0.0000

 276.4164,

 1.0188, 0.2656,

254.6156, 119.4807

0.0000

329.5844,
305.9470, 152.0124

■ 0.0000, 0.0000,
0.0000

■ 53.1647, 44.2559,
8.5365

■ 53.1647, 44.2559,
8.5365

■ 50.8323, 40.2057,
5.8661

■ 56.0176, 48.8647,
12.8707

■ 49.1367, 37.0540,
4.5623

■ 59.4395, 54.0559,
19.1064

■ 63.4753, 59.8591,
27.4447

■ 68.1636, 66.2992,
38.0601

■ 73.5393, 73.3993,
51.1088

79.6346, 81.1809,
66.7328

86.4793, 89.6645,
85.0632

94.1014, 98.8694,
106.2222

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.



65.3171, 44.2559, 18.1251



53.1647, 44.2559, 8.5365



39.9115, 44.2559, 6.7312

Triad

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



53.1647, 44.2559, 8.5365



22.1519, 44.2559, 54.7358



57.7237, 44.2559, 130.8085

Complementary

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



53.1647, 44.2559, 8.5365



30.1745, 29.6596, 98.7414

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.



44.2923, 44.2559, 156.5727



53.1647, 44.2559, 8.5365



25.1106, 44.2559, 100.6170

Square

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



53.1647, 44.2559, 8.5365



23.5896, 44.2559, 24.3961



32.6270, 44.2559, 143.3983



68.2982, 44.2559, 83.8916

Rectangle

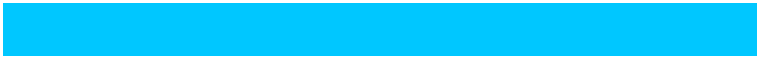
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.1647, 44.2559, 8.5365



32.5274, 44.2559, 8.5864



32.6270, 44.2559, 143.3983



53.3029, 44.2559, 143.0721

Sweetspot

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



53.1657, 44.2582, 8.5373



77.8386, 78.9129, 62.0504



47.9235, 25.6247, 31.9124



16.1937, 16.2951, 12.0822



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.



53.1657, 44.2582, 8.5373



49.6865, 38.0860, 4.9522



77.5329, 92.9926, 16.6597



18.7711, 19.5103, 18.9209



25.8250, 19.6613, 2.4339



2.6238, 2.1330, 0.2734

Inverse Universe

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



30.1745, 29.6596, 98.7414



26.0654, 23.1086, 97.6944



20.3261, 9.9626, 95.4585



17.7421, 18.8559, 22.9544



13.4550, 11.8196, 51.0068



1.4191, 1.3689, 5.0027

Previews

White Background



This preview shows how the XYZ color 53.1647, 44.2559, 8.5365 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 53.1647, 44.2559, 8.5365 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 53.1647, 44.2559, 8.5365

Background



This preview shows how black text looks on a background with the XYZ color 53.1647, 44.2559, 8.5365.



This preview shows how white text looks on a background with the XYZ color 53.1647, 44.2559,

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

53.1647, 44.2559, 8.5365

Protanopia

40.1632, 44.2587, 10.0404

Deuteranopia

45.3287, 44.3833, 8.2756



Tritanopia

57.4353, 44.1843, 36.5116

Trichromacy



Original Color

53.1647, 44.2559, 8.5365

Protanomaly

44.0212, 43.6839, 9.3605

Deuteranomaly

47.8128, 44.0384, 8.3631

Tritanomaly

55.1398, 44.0158, 22.1127

Monochromacy



Original Color

53.1647, 44.2559, 8.5365

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.6430, 40.9991, 25.7975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1647, 44.2559, 8.5365 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, 153, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 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, 153, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 48) }
```

Border

The CSS property to change the border of an element to XYZ 53.1647, 44.2559, 8.5365 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, 153, 48) }
```


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

```
.border{ border-color:rgb(255, 153, 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, 153, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1647, 44.2559, 8.5365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 48) }
```

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

```
.background{ background-color: rgb(255,  
153, 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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