

Converting Colors

XYZ(53.0671, 44.1466, 8.2388)

Have a look what the booklet for
XYZ(53.0671, 44.1466, 8.2388)
contains.

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Color

**XYZ(53.1049, 44.2319,
8.2213)**

Conversions

Conversions Part 1

Format	Color
Hex	FF992D
RGB	255, 153, 45
RGB Percent	100%, 60%, 18%
CMY	0.0000, 0.4000, 0.8235
CMYK	0.00, 0.40, 0.82, 0.00
HSL	31°, 100%, 59%
HSV	31°, 82%, 100%
XYZ	53.1049, 44.2319, 8.2213
YIQ	171.1860, 95.4600, -11.9640

Conversions

Conversions Part 2

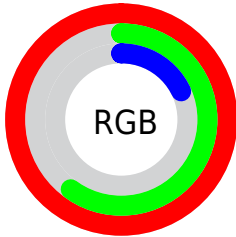
Format	Color
R _Y B	243, 255, 45
Decimal	16750893
CIE Lab	72.38, 30.85, 67.85
CIE LCh	72, 74.538, 65.549
Yxy	44.2319, 0.5031, 0.4190
Android (android.graphics.Color)	4294940973 (0xFFFF992D)
YUV	171.1860, -62.2097, 73.5049
Hunter-Lab	66.5071, 26.1422, 39.2258

Details

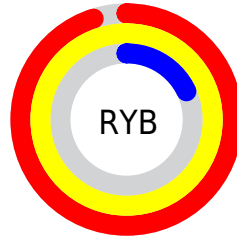
The XYZ color **53.1049, 44.2319, 8.2213** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.5653, 28.6441, 98.5777**, and the grayscale version is **39.0730, 41.1078, 44.7664**.

A 20% lighter version of the original color is **66.0961, 67.2919, 21.5616**, and **26.3919, 20.5138, 2.5686** is the 20% darker color. If you saturate the color by 10%, you get **50.8309, 40.2472, 5.7283**, and if you desaturate by 10%, it is **55.8872, 48.7605, 12.3442**.

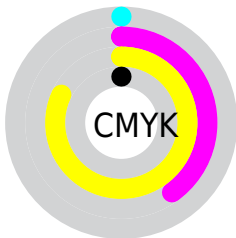
Distribution



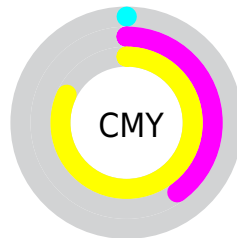
- Red (100%)
- Green (60%)
- Blue (18%)



- Red (95%)
- Yellow (100%)
- Blue (18%)



- Cyan (0%)
- Magenta (40%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1049, 44.2319, 8.2213 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 53.1049, 44.2319, 8.2213 by changing the saturation by 10% instead.


 53.1049, 44.2319,
8.2213


 53.1049, 44.2319,
8.2213


388.9417,
363.6538, 187.4566

 38.1143, 30.8529,
4.1471

 93.9233, 81.5666,
22.9444

 26.2491, 20.4868,
1.7064


 120.4819,
106.2910, 34.4304


 17.1437, 12.7494,
0.3651


 151.6272,
135.5660, 49.2241

 10.4329, 7.2562,
0.0000

 187.7245,
169.7760, 67.7440

 5.7514, 3.6229,
0.0000

 229.1393,
209.3054, 90.4087

 2.7337, 1.4649,
0.0000

 276.2369,

 1.0146, 0.2638,

254.5386, 117.6366

0.0000

329.3825,
305.8599, 149.8464

■ 0.0000, 0.0000,
0.0000

■ 53.1049, 44.2319,
8.2213

■ 53.1049, 44.2319,
8.2213

■ 50.8309, 40.2472,
5.7283

■ 55.8872, 48.7605,
12.3442

■ 49.3761, 37.5326,
4.6421

■ 59.2273, 53.8567,
18.3410

■ 63.1705, 59.5500,
26.4164

■ 67.7556, 65.8649,
36.7474

■ 73.0178, 72.8242,
49.4918

78.9891, 80.4491,
64.7933

85.6995, 88.7597,
82.7840

93.1769, 97.7752,
103.5869

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.



65.4844, 44.2319, 17.6498



53.1049, 44.2319, 8.2213



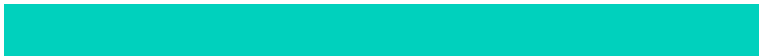
39.7000, 44.2319, 6.5078

Triad

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



53.1049, 44.2319, 8.2213



21.9525, 44.2319, 55.3225



58.0819, 44.2319, 131.5814

Complementary

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



53.1049, 44.2319, 8.2213



29.5653, 28.6441, 98.5777

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.



44.4725, 44.2319, 158.3053



53.1049, 44.2319, 8.2213



24.9901, 44.2319, 102.0419

Square

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



53.1049, 44.2319, 8.2213



23.3409, 44.2319, 24.4311



32.6317, 44.2319, 145.3927



68.7431, 44.2319, 83.7363

Rectangle

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



53.1049, 44.2319, 8.2213



32.2714, 44.2319, 8.3985



32.6317, 44.2319, 145.3927



53.6069, 44.2319, 144.2014

Sweetspot

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



53.1059, 44.2342, 8.2221



77.3372, 78.3641, 60.4842



47.6834, 25.3390, 31.2326



16.1011, 16.1967, 11.7840



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.



53.1059, 44.2342, 8.2221



49.5580, 37.8737, 4.7716



77.4732, 92.9689, 16.3445



18.7820, 19.5322, 18.9245



25.9505, 19.9122, 2.4757



2.6361, 2.1576, 0.2775

Inverse Universe

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



29.5653, 28.6441, 98.5777



25.4360, 21.9446, 97.5029



20.0708, 9.6550, 95.4129



17.7312, 18.8341, 22.9508



13.3360, 11.5816, 50.9672



1.4073, 1.3453, 4.9988

Previews

White Background



This preview shows how the XYZ color 53.1049, 44.2319, 8.2213 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 53.1049, 44.2319, 8.2213 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 53.1049, 44.2319, 8.2213

Background



This preview shows how black text looks on a background with the XYZ color 53.1049, 44.2319, 8.2213.



This preview shows how white text looks on a background with the XYZ color 53.1049, 44.2319,

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

53.1049, 44.2319, 8.2213

Protanopia

40.3374, 44.3592, 9.5681

Deuteranopia

45.2783, 44.3632, 8.0102



Tritanopia

57.4353, 44.1843, 36.5116

Trichromacy



Original Color

53.1049, 44.2319, 8.2213

Protanomaly

44.2575, 43.8133, 9.0299

Deuteranomaly

47.7584, 44.0166, 8.0767

Tritanomaly

55.0820, 43.9927, 21.8080

Monochromacy



Original Color

53.1049, 44.2319, 8.2213

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.3343, 40.5881, 25.0578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1049, 44.2319, 8.2213 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 45) }
```

Border

The CSS property to change the border of an element to XYZ 53.1049, 44.2319, 8.2213 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, 45) }
```


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

```
.border{ border-color:rgb(255, 153, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1049, 44.2319, 8.2213 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, 45) }
```

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

```
.background{ background-color: rgb(255,  
153, 45) }
```

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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