

Converting Colors

XYZ(53.2236, 44.4579, 8.2963)

Have a look what the booklet for
XYZ(53.2236, 44.4579, 8.2963)
contains.

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Color

**XYZ(53.2693, 44.5607,
8.2761)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9A2D
RGB	255, 154, 45
RGB Percent	100%, 60%, 18%
CMY	0.0000, 0.3960, 0.8235
CMYK	0.00, 0.40, 0.82, 0.00
HSL	31°, 100%, 59%
HSV	31°, 82%, 100%
XYZ	53.2693, 44.5607, 8.2761
YIQ	171.7730, 95.1850, -12.4870

Conversions

Conversions Part 2

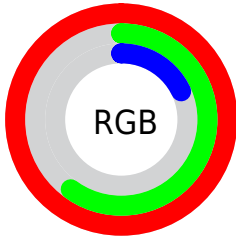
Format	Color
R _Y B	240, 255, 45
Decimal	16751149
CIE Lab	72.60, 30.34, 68.04
CIE LCh	73, 74.498, 65.971
Yxy	44.5607, 0.5020, 0.4200
Android (android.graphics.Color)	4294941229 (0xFFFF9A2D)
YUV	171.7730, -62.4991, 72.9901
Hunter-Lab	66.7538, 25.6232, 39.3769

Details

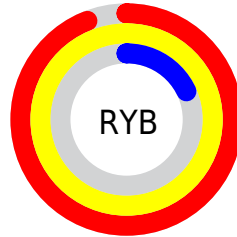
The XYZ color **53.2693, 44.5607, 8.2761** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.4105, 28.3344, 98.5261**, and the grayscale version is **39.3715, 41.4219, 45.1085**.

A 20% lighter version of the original color is **66.3407, 67.7810, 21.6431**, and **26.4896, 20.7092, 2.6011** is the 20% darker color. If you saturate the color by 10%, you get **50.9966, 40.5785, 5.7835**, and if you desaturate by 10%, it is **56.0467, 49.0795, 12.3974**.

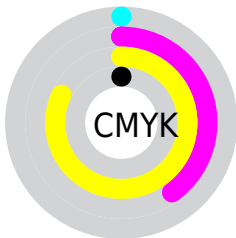
Distribution



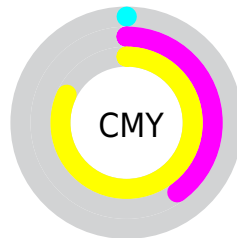
- Red (100%)
- Green (60%)
- Blue (18%)



- Red (94%)
- 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 53.2693, 44.5607, 8.2761 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 53.2693, 44.5607, 8.2761 by changing the saturation by 10% instead.


 53.2693, 44.5607,
8.2761


 53.2693, 44.5607,
8.2761


389.5614,
364.9915, 187.8966

 38.2461, 31.1115,
4.1818


 94.1637, 82.0608,
23.0530


 26.3519, 20.6838,
1.7256


 120.7657,
106.8805, 34.5727


 17.2211, 12.8931,
0.3782

 151.9580,
136.2593, 49.4046

 10.4885, 7.3550,
0.0000

 188.1059,
170.5814, 67.9673

 5.7888, 3.6851,
0.0000

 229.5749,
210.2312, 90.6793

 2.7565, 1.4990,
0.0000

 276.7302,

 1.0264, 0.2880,

255.5933, 117.9592

0.0000

329.9373,
307.0519, 150.2254

■ 0.0000, 0.0000,
0.0000

■ 53.2693, 44.5607,
8.2761

■ 53.2693, 44.5607,
8.2761

■ 50.9966, 40.5785,
5.7835

■ 56.0467, 49.0795,
12.3974

■ 49.5404, 37.8613,
4.6969

■ 59.3782, 54.1584,
18.3913

■ 63.3087, 59.8263,
26.4625

■ 67.8770, 66.1075,
36.7878

■ 73.1179, 73.0244,
49.5252

79.0636, 80.5980,
64.8181

85.7436, 88.8480,
82.7987

93.1859, 97.7931,
103.5899

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.



65.7466, 44.5607, 17.6275



53.2693, 44.5607, 8.2761



39.8273, 44.5607, 6.6262

Triad

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



53.2693, 44.5607, 8.2761



22.1757, 44.5607, 56.2839



58.6439, 44.5607, 131.6248

Complementary

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



53.2693, 44.5607, 8.2761



29.4105, 28.3344, 98.5261

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.



44.9845, 44.5607, 158.8971



53.2693, 44.5607, 8.2761



25.2943, 44.5607, 103.2969

Square

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



53.2693, 44.5607, 8.2761



23.5096, 44.5607, 24.9741



33.0413, 44.5607, 146.5164



69.2641, 44.5607, 83.5439

Rectangle

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



53.2693, 44.5607, 8.2761



32.4004, 44.5607, 8.5927



33.0413, 44.5607, 146.5164



54.1612, 44.5607, 144.4028

Sweetspot

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



53.2703, 44.5630, 8.2769



77.4189, 78.5275, 60.5115



47.4057, 25.2279, 29.7701



16.1206, 16.2356, 11.7905



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.



53.2703, 44.5630, 8.2769



49.7226, 38.2029, 4.8264



76.1973, 92.3111, 16.2848



18.7894, 19.5470, 18.9270



26.0366, 20.0844, 2.5044



2.6445, 2.1744, 0.2803

Inverse Universe

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



29.4105, 28.3344, 98.5261



25.2845, 21.6415, 97.4523



20.2312, 9.7377, 95.4204



17.7239, 18.8193, 22.9483



13.2566, 11.4229, 50.9407



1.3994, 1.3296, 4.9961

Previews

White Background



This preview shows how the XYZ color 53.2693, 44.5607, 8.2761 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 53.2693, 44.5607, 8.2761 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 53.2693, 44.5607, 8.2761

Background



This preview shows how black text looks on a background with the XYZ color 53.2693, 44.5607, 8.2761.



This preview shows how white text looks on a background with the XYZ color 53.2693, 44.5607,

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

53.2693, 44.5607, 8.2761

Protanopia

40.5371, 44.7586, 9.6347

Deuteranopia

45.5892, 44.5234, 8.0248



Tritanopia

57.6745, 44.5277, 37.0074

Trichromacy



Original Color

53.2693, 44.5607, 8.2761

Protanomaly

44.4443, 44.1868, 9.0922

Deuteranomaly

48.2678, 44.5439, 8.1517

Tritanomaly

55.2987, 44.3336, 22.1657

Monochromacy



Original Color

53.2693, 44.5607, 8.2761

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.5782, 40.9732, 25.4559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2693, 44.5607, 8.2761 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, 154, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 154, 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, 154, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 154, 45) }
```

Border

The CSS property to change the border of an element to XYZ 53.2693, 44.5607, 8.2761 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, 154, 45) }
```


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

```
.border{ border-color:rgb(255, 154, 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, 154, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 154, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 154, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 154,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2693, 44.5607, 8.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 154, 45) }
```

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

```
.background{ background-color: rgb(255,  
154, 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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