

Converting Colors

XYZ(53.1908, 48.8538, 6.6283)

Have a look what the booklet for
XYZ(53.1908, 48.8538, 6.6283)
contains.

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Color

**XYZ(53.0861, 48.7059,
6.6032)**

Conversions

Conversions Part 1

Format	Color
Hex	F8AA00
RGB	248, 170, 0
RGB Percent	97%, 67%, 0%
CMY	0.0275, 0.3333, 0.9999
CMYK	0.00, 0.31, 1.00, 0.03
HSL	41°, 100%, 49%
HSV	41°, 100%, 97%
XYZ	53.0861, 48.7059, 6.6032
YIQ	173.9420, 101.0580, -36.3340

Conversions

Conversions Part 2

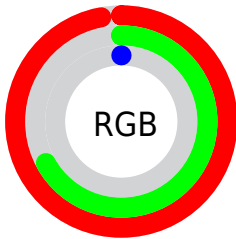
Format	Color
R _Y B	114, 248, 0
Decimal	16296448
CIE Lab	75.27, 18.37, 78.78
CIE LCh	75, 80.895, 76.875
Yxy	48.7059, 0.4897, 0.4493
Android (android.graphics.Color)	4294486528 (0xFFF8AA00)
YUV	173.9420, -85.7534, 64.9489
Hunter-Lab	69.7896, 13.6458, 43.2430

Details

The XYZ color **53.0861, 48.7059, 6.6032** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **19.6683, 12.2272, 90.1296**, and the grayscale version is **40.5949, 42.7090, 46.5101**.

A 20% lighter version of the original color is **69.6132, 75.6896, 18.5300**, and **26.4860, 23.2712, 3.0958** is the 20% darker color. If you saturate the color by 10%, you get **53.0862, 48.7065, 6.6034**, and if you desaturate by 10%, it is **54.7665, 51.7896, 8.0192**.

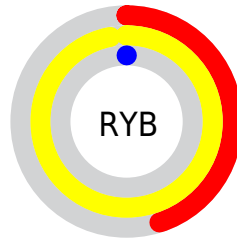
Distribution



Red (97%)

Green (67%)

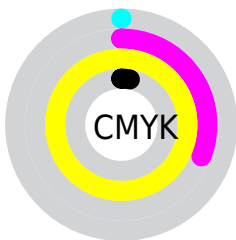
Blue (0%)



Red (45%)

Yellow (97%)

Blue (0%)

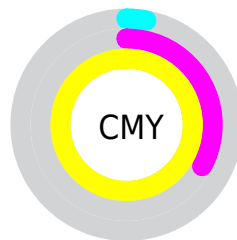


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0861, 48.7059, 6.6032 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 53.0861, 48.7059, 6.6032 by changing the saturation by 10% instead.

53.0861, 48.7059,
6.6032

53.0861, 48.7059,
6.6032

388.8708,
381.5834, 173.8285

38.0993, 34.3862,
3.1406

93.8958, 88.2545,
19.6695

26.2373, 23.1905,
1.1668

120.4494,
114.2522, 30.1102

17.1349, 14.7342,
0.0000

151.5893,
144.9114, 43.7140

10.4266, 8.6331,
0.0000

187.6809,
180.6165, 60.8995

5.7471, 4.5026,
0.0000

229.0895,
221.7518, 82.0851

2.7311, 1.9585,
0.0000

276.1804,

1.0132, 0.5832,

268.7018, 107.6895

0.0000

329.3191,
321.8509, 138.1311

■ 0.0000, 0.0000,
0.0000

■ 53.0861, 48.7059,
6.6032

■ 53.0861, 48.7059,
6.6032

■ 53.0862, 48.7065,
6.6034

■ 54.7665, 51.7896,
8.0192

■ 56.7546, 55.1354,
10.6252

■ 59.1210, 58.7760,
14.7811

■ 61.9081, 62.7306,
20.7037

■ 65.1519, 67.0155,
28.5752

■ 68.8838, 71.6456,
38.5548

■ 73.1321, 76.6343,
50.7853

■ 77.9227, 81.9939,
65.3968

■ 83.2796, 87.7361,
82.5094

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6887, 48.7059, 12.9345



53.0861, 48.7059, 6.6032



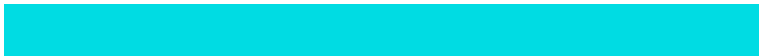
38.4886, 48.7059, 6.9546

Triad

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



53.0861, 48.7059, 6.6032



23.9898, 48.7059, 80.4932



70.4219, 48.7059, 130.8930

Complementary

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



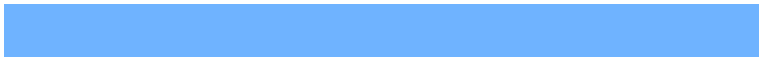
53.0861, 48.7059, 6.6032



19.6683, 12.2272, 90.1296

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.



55.0881, 48.7059, 176.1167



53.0861, 48.7059, 6.6032



29.3868, 48.7059, 137.9260

Square

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



53.0861, 48.7059, 6.6032



23.6791, 48.7059, 36.5435



40.1065, 48.7059, 179.2176



80.0472, 48.7059, 73.8577

Rectangle

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



53.0861, 48.7059, 6.6032



31.1842, 48.7059, 10.8233



40.1065, 48.7059, 179.2176



65.6320, 48.7059, 149.0539

Sweetspot

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



53.0872, 48.7084, 6.6041



77.8854, 81.6129, 54.0310



40.1060, 20.5145, 9.1562



16.2472, 16.9782, 10.3239



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.



53.0872, 48.7084, 6.6041



56.5313, 51.8426, 7.0271



58.0695, 79.7656, 12.3362



18.2400, 19.2159, 18.2101



28.8087, 26.5741, 3.6109



2.7631, 2.6510, 0.3661

Inverse Universe

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



19.6683, 12.2272, 90.1296



20.9332, 12.9865, 96.0111



18.0467, 7.3464, 89.2730



16.7284, 17.5337, 21.8880



10.7346, 6.8248, 48.7251



1.0848, 0.8133, 4.5430

Previews

White Background



This preview shows how the XYZ color 53.0861, 48.7059, 6.6032 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 53.0861, 48.7059, 6.6032 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 53.0861, 48.7059, 6.6032

Background



This preview shows how black text looks on a background with the XYZ color 53.0861, 48.7059, 6.6032.



This preview shows how white text looks on a background with the XYZ color 53.0861, 48.7059,

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

53.0861, 48.7059, 6.6032

Protanopia

44.2308, 48.8569, 7.5893

Deuteranopia

49.7863, 48.7128, 6.7785



Tritanopia

60.7226, 48.6160, 44.2136

Trichromacy



Original Color

53.0861, 48.7059, 6.6032

Protanomaly

47.1165, 48.5117, 7.1676

Deuteranomaly

51.0712, 48.7974, 6.7271

Tritanomaly

55.7720, 47.6188, 20.4392

Monochromacy



Original Color

53.0861, 48.7059, 6.6032

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.9002, 43.4523, 21.2177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0861, 48.7059, 6.6032 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(248, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 170, 0)  
}
```

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(248, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.0861, 48.7059, 6.6032 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(248, 170, 0) }
```


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

```
.border{ border-color:rgb(248, 170, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(248, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0861, 48.7059, 6.6032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 170, 0) }
```

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

```
.background{ background-color: rgb(248,  
170, 0) }
```

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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