

Converting Colors

XYZ(53.7324, 47.6283, 6.3612)

Have a look what the booklet for
XYZ(53.7324, 47.6283, 6.3612)
contains.

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Color

**XYZ(53.6000, 47.6057,
6.3638)**

Conversions

Conversions Part 1

Format	Color
Hex	FCA500
RGB	252, 165, 0
RGB Percent	99%, 65%, 0%
CMY	0.0118, 0.3529, 0.9999
CMYK	0.00, 0.35, 1.00, 0.01
HSL	39°, 100%, 49%
HSV	39°, 100%, 99%
XYZ	53.6000, 47.6057, 6.3638
YIQ	172.2030, 104.8170, -32.8710

Conversions

Conversions Part 2

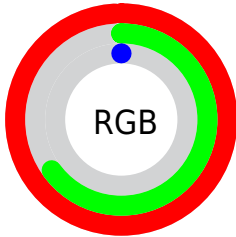
Format	Color
RYB	133, 252, 0
Decimal	16557312
CIELab	74.58, 22.68, 78.55
CIElCh	75, 81.758, 73.895
Yxy	47.6057, 0.4983, 0.4426
Android (android.graphics.Color)	4294747392 (0xFFFC500)
YUV	172.2030, -84.8961, 69.9820
Hunter-Lab	68.9969, 17.9226, 42.8293

Details

The XYZ color **53.6000, 47.6057, 6.3638** 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 **20.9796, 13.8460, 93.6615**, and the grayscale version is **39.6974, 41.7648, 45.4818**.

A 20% lighter version of the original color is **68.2445, 73.0109, 17.8928**, and **26.8914, 22.6291, 2.9505** is the 20% darker color. If you saturate the color by 10%, you get **53.6000, 47.6061, 6.3639**, and if you desaturate by 10%, it is **55.4018, 50.9254, 7.8416**.

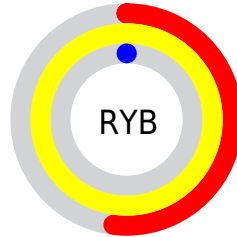
Distribution



Red (99%)

Green (65%)

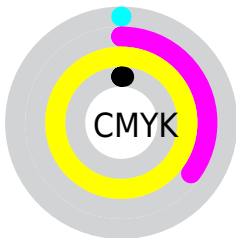
Blue (0%)



Red (52%)

Yellow (99%)

Blue (0%)

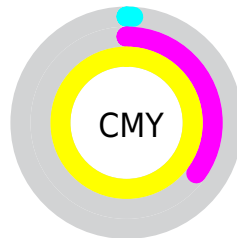


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6000, 47.6057, 6.3638 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 53.6000, 47.6057, 6.3638 by changing the saturation by 10% instead.


 53.6000, 47.6057,
6.3638


 53.6000, 47.6057,
6.3638


390.8061,
377.2271, 171.6927


 38.5114, 33.5147,
2.9952


 94.6470, 86.6170,
19.1720

 26.5588, 22.5211,
1.0922


 121.3361,
112.3062, 29.4487


 17.3770, 14.2403,
0.0000


 152.6227,
142.6302, 42.8651

 10.6006, 8.2880,
0.0000

 188.8722,
177.9735, 59.8398

 5.8643, 4.2798,
0.0000

 230.4500,
218.7205, 80.7914

 2.8026, 1.8313,
0.0000

 277.7213,

 1.0503, 0.5065,

265.2554, 106.1384

0.0000

331.0516,
317.9628, 136.2993

■ 0.0000, 0.0000,
0.0000

■ 53.6000, 47.6057,
6.3638

■ 53.6000, 47.6057,
6.3638

■ 53.6000, 47.6061,
6.3639

■ 55.4018, 50.9254,
7.8416

■ 57.5406, 54.5519,
10.5617

■ 60.0897, 58.5198,
14.8961

■ 63.0939, 62.8501,
21.0705

■ 66.5909, 67.5609,
29.2748

70.6139, 72.6685,
39.6747

75.1928, 78.1876,
52.4189

80.3551, 84.1322,
67.6427

86.1261, 90.5150,
85.4713

Harmonies

Analogous

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



68.9788, 47.6057, 13.3986



53.6000, 47.6057, 6.3638



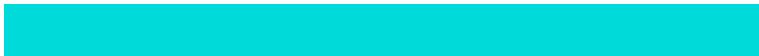
38.7587, 47.6057, 6.1652

Triad

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



53.6000, 47.6057, 6.3638



22.8826, 47.6057, 73.9466



67.9574, 47.6057, 135.4157

Complementary

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



53.6000, 47.6057, 6.3638



20.9796, 13.8460, 93.6615

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.



52.4235, 47.6057, 177.8310



53.6000, 47.6057, 6.3638



27.6991, 47.6057, 131.2491

Square

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



53.6000, 47.6057, 6.3638



23.0631, 47.6057, 32.3725



37.8117, 47.6057, 175.9894



78.4221, 47.6057, 77.8557

Rectangle

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



53.6000, 47.6057, 6.3638



31.1742, 47.6057, 9.3707



37.8117, 47.6057, 175.9894



63.0241, 47.6057, 153.0306

Sweetspot

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



53.6011, 47.6082, 6.3647



77.2322, 80.3064, 53.8133



41.9149, 21.4037, 11.2004



16.0909, 16.6658, 10.2718



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.



53.6011, 47.6082, 6.3647



55.0526, 48.8852, 6.5342



62.6006, 83.9467, 12.9044



18.1934, 19.1227, 18.1946



28.0640, 25.0846, 3.3627



2.6980, 2.5209, 0.3444

Inverse Universe

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



20.9796, 13.8460, 93.6615



21.5425, 14.2049, 96.2142



18.3632, 7.4371, 92.5623



16.7730, 17.6228, 21.9028



11.0514, 7.4583, 48.8307



1.1182, 0.8801, 4.5541

Previews

White Background



This preview shows how the XYZ color 53.6000, 47.6057, 6.3638 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 53.6000, 47.6057, 6.3638 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 53.6000, 47.6057, 6.3638

Background



This preview shows how black text looks on a background with the XYZ color 53.6000, 47.6057, 6.3638.



This preview shows how white text looks on a background with the XYZ color 53.6000, 47.6057,

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

53.6000, 47.6057, 6.3638

Protanopia

42.9738, 47.5868, 7.4505

Deuteranopia

48.7403, 47.5957, 6.6180



Tritanopia

59.8443, 47.4559, 42.0822

Trichromacy



Original Color

53.6000, 47.6057, 6.3638

Protanomaly

46.2140, 47.1564, 6.9830

Deuteranomaly

50.4981, 47.6511, 6.5360

Tritanomaly

55.8727, 46.9077, 19.7450

Monochromacy



Original Color

53.6000, 47.6057, 6.3638

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.0357, 41.8976, 20.3922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6000, 47.6057, 6.3638 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(252, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 165, 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(252, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 165, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.6000, 47.6057, 6.3638 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(252, 165, 0) }
```


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

```
.border{ border-color:rgb(252, 165, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 165,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6000, 47.6057, 6.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 165, 0) }
```

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

```
.background{ background-color: rgb(252,  
165, 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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