

Converting Colors

XYZ(54.0058, 48.1750, 6.4523)

Have a look what the booklet for
XYZ(54.0058, 48.1750, 6.4523)
contains.

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Color

**XYZ(53.7811, 47.9679,
6.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	FCA600
RGB	252, 166, 0
RGB Percent	99%, 65%, 0%
CMY	0.0118, 0.3490, 0.9999
CMYK	0.00, 0.34, 1.00, 0.01
HSL	40°, 100%, 49%
HSV	40°, 100%, 99%
XYZ	53.7811, 47.9679, 6.4242
YIQ	172.7900, 104.5420, -33.3940

Conversions

Conversions Part 2

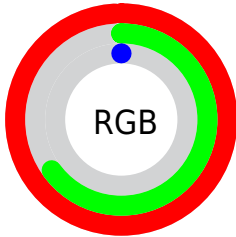
Format	Color
RYB	131, 252, 0
Decimal	16557568
CIELab	74.80, 22.16, 78.70
CIElCh	75, 81.759, 74.277
Yxy	47.9679, 0.4972, 0.4434
Android (android.graphics.Color)	4294747648 (0xFFFC600)
YUV	172.7900, -85.1855, 69.4672
Hunter-Lab	69.2589, 17.4063, 42.9817

Details

The XYZ color **53.7811, 47.9679, 6.4242** 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 **20.8993, 13.6854, 93.6347**, and the grayscale version is **39.9988, 42.0819, 45.8271**.

A 20% lighter version of the original color is **68.5077, 73.5374, 17.9805**, and **27.0036, 22.8534, 2.9879** is the 20% darker color. If you saturate the color by 10%, you get **53.7810, 47.9681, 6.4242**, and if you desaturate by 10%, it is **55.5759, 51.2736, 7.8997**.

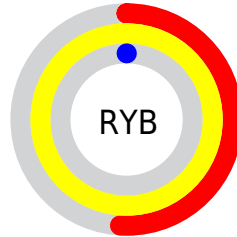
Distribution



Red (99%)

Green (65%)

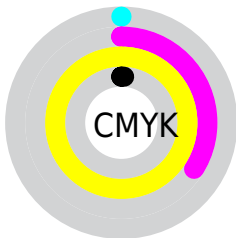
Blue (0%)



Red (51%)

Yellow (99%)

Blue (0%)

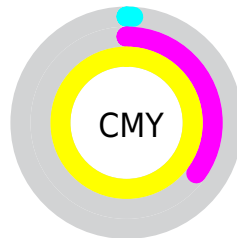


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.7811, 47.9679, 6.4242 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 53.7811, 47.9679, 6.4242 by changing the saturation by 10% instead.


 53.7811, 47.9679,
6.4242

 53.7811, 47.9679,
6.4242


391.4867,
378.6649, 172.2348

 38.6567, 33.8015,
3.0318

 94.9115, 87.1566,
19.2979

 26.6723, 22.7411,
1.1109


 121.6482,
112.9477, 29.6162

 17.4625, 14.4025,
0.0000


 152.9864,
143.3824, 43.0802

 10.6622, 8.4011,
0.0000

 189.2914,
178.8452, 60.1085

 5.9058, 4.3527,
0.0000

 230.9286,
219.7204, 81.1195

 2.8280, 1.8727,
0.0000

 278.2633,

 1.0635, 0.5319,

266.3925, 106.5319

0.0000

331.6609,
319.2459, 136.7642

■ 0.0000, 0.0000,
0.0000

■ 53.7811, 47.9679,
6.4242

■ 53.7811, 47.9679,
6.4242

■ 53.7810, 47.9681,
6.4242

■ 55.5759, 51.2736,
7.8997

■ 57.7055, 54.8815,
10.6168

■ 60.2430, 58.8261,
14.9474

■ 63.2331, 63.1283,
21.1173

■ 66.7135, 67.8060,
29.3162

70.7174, 72.8753,
39.7098

75.2747, 78.3510,
52.4468

80.4125, 84.2467,
67.6626

86.1564, 90.5752,
85.4823

Harmonies

Analogous

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



69.2601, 47.9679, 13.4000



53.7811, 47.9679, 6.4242



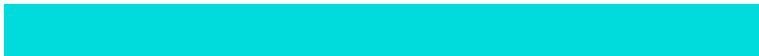
38.9030, 47.9679, 6.2929

Triad

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



53.7811, 47.9679, 6.4242



23.1305, 47.9679, 75.1175



68.5882, 47.9679, 135.4485

Complementary

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



53.7811, 47.9679, 6.4242



20.8993, 13.6854, 93.6347

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.



53.0069, 47.9679, 178.4291



53.7811, 47.9679, 6.4242



28.0428, 47.9679, 132.7097

Square

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



53.7811, 47.9679, 6.4242



23.2494, 47.9679, 33.0449



38.2796, 47.9679, 177.2189



78.9944, 47.9679, 77.6889

Rectangle

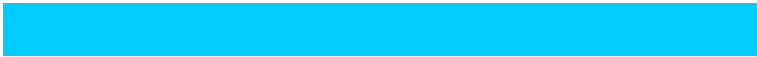
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.7811, 47.9679, 6.4242



31.3200, 47.9679, 9.5950



38.2796, 47.9679, 177.2189



63.6501, 47.9679, 153.2173

Sweetspot

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



53.7822, 47.9704, 6.4251



77.3160, 80.4741, 53.8412



41.9149, 21.4037, 11.2006



16.1110, 16.7058, 10.2785



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.



53.7822, 47.9704, 6.4251



55.2386, 49.2572, 6.5962



62.6007, 83.9468, 12.9044



18.1994, 19.1348, 18.1966



28.1577, 25.2721, 3.3939



2.7062, 2.5373, 0.3471

Inverse Universe

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



20.8993, 13.6854, 93.6347



21.4600, 14.0399, 96.1867



18.3632, 7.4372, 92.5623



16.7672, 17.6113, 21.9009



11.0086, 7.3727, 48.8164



1.1138, 0.8712, 4.5526

Previews

White Background



This preview shows how the XYZ color 53.7811, 47.9679, 6.4242 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 53.7811, 47.9679, 6.4242 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 53.7811, 47.9679, 6.4242

Background



This preview shows how black text looks on a background with the XYZ color 53.7811, 47.9679, 6.4242.



This preview shows how white text looks on a background with the XYZ color 53.7811, 47.9679,

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

53.7811, 47.9679, 6.4242

Protanopia

43.4626, 48.1483, 7.5331

Deuteranopia

48.9342, 47.9836, 6.6826



Tritanopia

60.1035, 47.8270, 42.6229

Trichromacy



Original Color

53.7811, 47.9679, 6.4242

Protanomaly

46.7213, 47.7122, 7.0635

Deuteranomaly

50.6877, 48.0303, 6.5992

Tritanomaly

56.0454, 47.2530, 19.8025

Monochromacy



Original Color

53.7811, 47.9679, 6.4242

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.5463, 42.4318, 20.7523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7811, 47.9679, 6.4242 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, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 166, 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, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 166, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.7811, 47.9679, 6.4242 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, 166, 0) }
```


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

```
.border{ border-color:rgb(252, 166, 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, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 166,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7811, 47.9679, 6.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 166, 0) }
```

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

```
.background{ background-color: rgb(252,  
166, 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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