

Converting Colors

XYZ(53.7849, 46.3499, 6.1116)

Have a look what the booklet for
XYZ(53.7849, 46.3499, 6.1116)
contains.

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Color

**XYZ(53.8108, 46.4016,
6.1203)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA000
RGB	255, 160, 0
RGB Percent	100%, 63%, 0%
CMY	0.0000, 0.3725, 0.9999
CMYK	0.00, 0.37, 1.00, 0.00
HSL	38°, 100%, 50%
HSV	38°, 100%, 100%
XYZ	53.8108, 46.4016, 6.1203
YIQ	170.1650, 107.9800, -29.6200

Conversions

Conversions Part 2

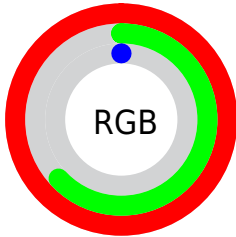
Format	Color
RYB	151, 255, 0
Decimal	16752640
CIELab	73.81, 26.54, 78.22
CIELCh	74, 82.604, 71.259
Yxy	46.4016, 0.5061, 0.4364
Android (android.graphics.Color)	4294942720 (0xFFFFA000)
YUV	170.1650, -83.8913, 74.4003
Hunter-Lab	68.1187, 21.7994, 42.3560

Details

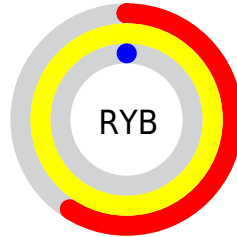
The XYZ color **53.8108, 46.4016, 6.1203** is a dark color, and the websafe version is hex **FF9900**, and the color name is **vivid orange peel**. The color can be described as middle saturated orange. A complement of this color would be **22.1430, 15.4059, 96.4135**, and the grayscale version is **38.6609, 40.6743, 44.2943**.

A 20% lighter version of the original color is **66.9156, 70.4109, 17.2716**, and **27.1008, 21.9316, 2.8049** is the 20% darker color. If you saturate the color by 10%, you get **53.8107, 46.4019, 6.1203**, and if you desaturate by 10%, it is **55.7032, 49.8973, 7.6444**.

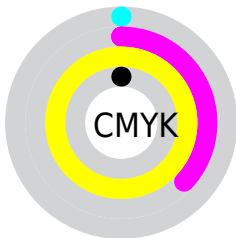
Distribution



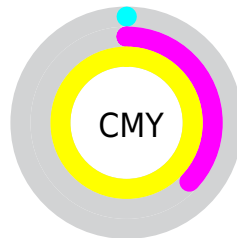
- Red (100%)
- Green (63%)
- Blue (0%)



- Red (59%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8108, 46.4016, 6.1203 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 53.8108, 46.4016, 6.1203 by changing the saturation by 10% instead.


 53.8108, 46.4016,
6.1203


 53.8108, 46.4016,
6.1203


391.5983,
372.4209, 169.4833

 38.6805, 32.5628,
2.8484

 94.9549, 84.8197,
18.6620

 26.6909, 21.7918,
1.0178


 121.6994,
110.1679, 28.7690


 17.4766, 13.7040,
0.0000


 153.0460,
140.1213, 41.9913

 10.6723, 7.9151,
0.0000

 189.3601,
175.0643, 58.7476

 5.9126, 4.0406,
0.0000

 231.0070,
215.3814, 79.4564

 2.8321, 1.6963,
0.0000

 278.3521,

 1.0656, 0.4213,

261.4569, 104.5363

0.0000

331.7607,
313.6753, 134.4057

■ 0.0000, 0.0000,
0.0000

■ 53.8108, 46.4016,
6.1203

■ 53.8108, 46.4016,
6.1203

■ 53.8107, 46.4019,
6.1203

■ 55.7032, 49.8973,
7.6444

■ 57.9590, 53.7419,
10.4523

■ 60.6538, 57.9721,
14.9248

■ 63.8343, 62.6106,
21.2951

■ 67.5398, 67.6770,
29.7586

71.8051, 73.1890,
40.4861

76.6615, 79.1631,
53.6309

82.1376, 85.6143,
69.3326

88.2601, 92.5568,
87.7200

Harmonies

Analogous

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



68.9149, 46.4016, 13.7589



53.8108, 46.4016, 6.1203



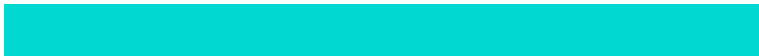
38.8171, 46.4016, 5.4758

Triad

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



53.8108, 46.4016, 6.1203



21.8035, 46.4016, 68.0130



65.4661, 46.4016, 138.9458

Complementary

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



53.8108, 46.4016, 6.1203



22.1430, 15.4059, 96.4135

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.



49.8489, 46.4016, 178.5588



53.8108, 46.4016, 6.1203



26.1014, 46.4016, 124.8094

Square

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



53.8108, 46.4016, 6.1203



22.4051, 46.4016, 28.7424



35.6397, 46.4016, 172.2974



76.6078, 46.4016, 81.2104

Rectangle

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



53.8108, 46.4016, 6.1203



31.0147, 46.4016, 8.1319



35.6397, 46.4016, 172.2974



60.4367, 46.4016, 155.9601

Sweetspot

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



53.8118, 46.4040, 6.1211



76.6589, 79.1598, 53.6222



43.4331, 22.1375, 13.4796



15.9541, 16.3921, 10.2262



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.



53.8118, 46.4040, 6.1211



53.8111, 46.4023, 6.1204



66.8895, 87.5674, 13.3772



18.9592, 19.8866, 18.9836



28.2654, 24.5421, 3.2473



2.8569, 2.5992, 0.3511

Inverse Universe

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



22.1430, 15.4059, 96.4135



22.1420, 15.4041, 96.4140



18.5786, 7.4928, 95.0740



17.5573, 18.4862, 22.8928



11.7006, 8.3108, 50.4220



1.2398, 1.0103, 4.9429

Previews

White Background



This preview shows how the XYZ color 53.8108, 46.4016, 6.1203 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 53.8108, 46.4016, 6.1203 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 53.8108, 46.4016, 6.1203

Background



This preview shows how black text looks on a background with the XYZ color 53.8108, 46.4016, 6.1203.



This preview shows how white text looks on a background with the XYZ color 53.8108, 46.4016,

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

53.8108, 46.4016, 6.1203

Protanopia

42.0140, 46.4787, 7.3292

Deuteranopia

47.3857, 46.3280, 6.4447



Tritanopia

58.9898, 46.3251, 40.0150

Trichromacy



Original Color

53.8108, 46.4016, 6.1203

Protanomaly

45.6279, 45.9842, 6.7876

Deuteranomaly

49.5992, 46.3560, 6.3334

Tritanomaly

55.4095, 45.6820, 18.7291

Monochromacy



Original Color

53.8108, 46.4016, 6.1203

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.4304, 40.7727, 19.9264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8108, 46.4016, 6.1203 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, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 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(255, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.8108, 46.4016, 6.1203 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, 160, 0) }
```


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

```
.border{ border-color:rgb(255, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8108, 46.4016, 6.1203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 0) }
```

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

```
.background{ background-color: rgb(255,  
160, 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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