

Converting Colors

XYZ(53.2037, 46.2745, 6.1277)

Have a look what the booklet for
XYZ(53.2037, 46.2745, 6.1277)
contains.

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Color

**XYZ(53.2529, 46.3724,
6.1440)**

Conversions

Conversions Part 1

Format	Color
Hex	FDA100
RGB	253, 161, 0
RGB Percent	99%, 63%, 0%
CMY	0.0078, 0.3686, 0.9999
CMYK	0.00, 0.36, 1.00, 0.01
HSL	38°, 100%, 50%
HSV	38°, 100%, 99%
XYZ	53.2529, 46.3724, 6.1440
YIQ	170.1540, 106.5130, -30.5670

Conversions

Conversions Part 2

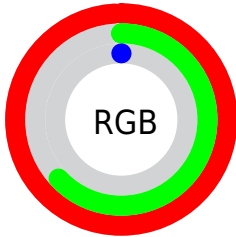
Format	Color
RYB	145, 253, 0
Decimal	16621824
CIELab	73.79, 25.19, 78.09
CIELCh	74, 82.054, 72.125
Yxy	46.3724, 0.5035, 0.4384
Android (android.graphics.Color)	4294811904 (0xFFFDA100)
YUV	170.1540, -83.8859, 72.6559
Hunter-Lab	68.0973, 20.4189, 42.3187

Details

The XYZ color **53.2529, 46.3724, 6.1440** 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 **21.5573, 14.7472, 94.6381**, and the grayscale version is **38.6558, 40.6689, 44.2884**.

A 20% lighter version of the original color is **67.2071, 70.9362, 17.5470**, and **26.7038, 21.8844, 2.8167** is the 20% darker color. If you saturate the color by 10%, you get **53.2530, 46.3730, 6.1441**, and if you desaturate by 10%, it is **55.1001, 49.7812, 7.6422**.

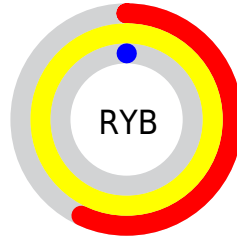
Distribution



Red (99%)

Green (63%)

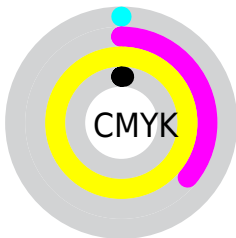
Blue (0%)



Red (57%)

Yellow (99%)

Blue (0%)

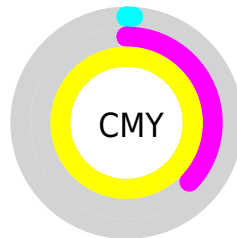


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2529, 46.3724, 6.1440 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 53.2529, 46.3724, 6.1440 by changing the saturation by 10% instead.


 53.2529, 46.3724,
6.1440

 53.2529, 46.3724,
6.1440


389.4996,
372.3038, 169.7000

 38.2330, 32.5398,
2.8626


 94.1397, 84.7761,
18.7119


 26.3416, 21.7741,
1.0249


 120.7374,
110.1159, 28.8354


 17.2134, 13.6910,
0.0000


 151.9250,
140.0602, 42.0768

 10.4830, 7.9061,
0.0000

 188.0679,
174.9935, 58.8546

 5.7851, 4.0349,
0.0000

 229.5314,
215.3001, 79.5872

 2.7542, 1.6931,
0.0000

 276.6810,

 1.0252, 0.4192,

261.3645, 104.6933

0.0000

329.8820,
313.5709, 134.5914

■ 0.0000, 0.0000,
0.0000

■ 53.2529, 46.3724,
6.1440

■ 53.2529, 46.3724,
6.1440

■ 53.2530, 46.3730,
6.1441

■ 55.1001, 49.7812,
7.6422

■ 57.2985, 53.5216,
10.3983

■ 59.9222, 57.6292,
14.7871

■ 63.0169, 62.1258,
21.0370

■ 66.6211, 67.0306,
29.3397

70.7685, 72.3605,
39.8628

75.4897, 78.1311,
52.7563

80.8127, 84.3570,
68.1573

86.7634, 91.0518,
86.1921

Harmonies

Analogous

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



68.3097, 46.3724, 13.5155



53.2529, 46.3724, 6.1440



38.4455, 46.3724, 5.6461

Triad

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



53.2529, 46.3724, 6.1440



21.9554, 46.3724, 69.3027



65.6806, 46.3724, 136.5197

Complementary

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



53.2529, 46.3724, 6.1440



21.5573, 14.7472, 94.6381

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.



50.2301, 46.3724, 176.6966



53.2529, 46.3724, 6.1440



26.3810, 46.3724, 125.7608

Square

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



53.2529, 46.3724, 6.1440



22.4160, 46.3724, 29.6393



36.0183, 46.3724, 171.9345



76.5029, 46.3724, 79.3632

Rectangle

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



53.2529, 46.3724, 6.1440



30.7854, 46.3724, 8.4513



36.0183, 46.3724, 171.9345



60.7273, 46.3724, 153.5785

Sweetspot

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



53.2539, 46.3748, 6.1448



76.8453, 79.5326, 53.6843



42.4737, 21.6691, 12.2477



15.9986, 16.4810, 10.2410



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.



53.2539, 46.3748, 6.1448



54.2089, 47.1978, 6.2530



64.4191, 85.3517, 13.0797



18.9733, 19.9147, 18.9883



28.4724, 24.9559, 3.3163



2.8762, 2.6378, 0.3576

Inverse Universe

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



21.5573, 14.7472, 94.6381



21.9402, 15.0004, 96.3467



18.3810, 7.4279, 93.3927



17.5437, 18.4591, 22.8883



11.5932, 8.0960, 50.3862



1.2283, 0.9873, 4.9391

Previews

White Background



This preview shows how the XYZ color 53.2529, 46.3724, 6.1440 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 53.2529, 46.3724, 6.1440 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 53.2529, 46.3724, 6.1440

Background



This preview shows how black text looks on a background with the XYZ color 53.2529, 46.3724, 6.1440.



This preview shows how white text looks on a background with the XYZ color 53.2529, 46.3724,

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

53.2529, 46.3724, 6.1440

Protanopia

42.0140, 46.4787, 7.3292

Deuteranopia

47.3857, 46.3280, 6.4447



Tritanopia

58.9898, 46.3251, 40.0150

Trichromacy



Original Color

53.2529, 46.3724, 6.1440

Protanomaly

45.3207, 45.8259, 6.7732

Deuteranomaly

49.2625, 46.1824, 6.3177

Tritanomaly

55.0426, 45.4928, 18.7119

Monochromacy



Original Color

53.2529, 46.3724, 6.1440

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.3449, 40.9995, 19.9746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2529, 46.3724, 6.1440 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(253, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(253, 161, 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(253, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 161, 0) }
```

Border

The CSS property to change the border of an element to XYZ 53.2529, 46.3724, 6.1440 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(253, 161, 0) }
```


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

```
.border{ border-color:rgb(253, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(253, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(253, 161,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2529, 46.3724, 6.1440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 161, 0) }
```

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

```
.background{ background-color: rgb(253,  
161, 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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