

Converting Colors

XYZ(51.7037, 42.1874, 5.4179)

Have a look what the booklet for
XYZ(51.7037, 42.1874, 5.4179)
contains.

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Color

**XYZ(51.6737, 42.1274,
5.4079)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9300
RGB	255, 147, 0
RGB Percent	100%, 58%, 0%
CMY	0.0000, 0.4235, 1.0000
CMYK	0.00, 0.42, 1.00, 0.00
HSL	35°, 100%, 50%
HSV	35°, 100%, 100%
XYZ	51.6737, 42.1274, 5.4079
YIQ	162.5340, 111.5550, -22.8210

Conversions

Conversions Part 2

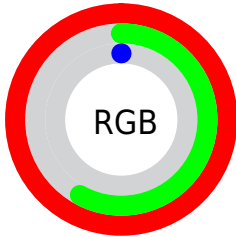
Format	Color
R _Y B	187, 255, 0
Decimal	16749312
CIE Lab	70.96, 33.26, 76.41
CIE LCh	71, 83.337, 66.478
Yxy	42.1274, 0.5209, 0.4246
Android (android.graphics.Color)	4294939392 (0xFFFF9300)
YUV	162.5340, -80.1293, 81.0927
Hunter-Lab	64.9056, 28.5254, 40.4939

Details

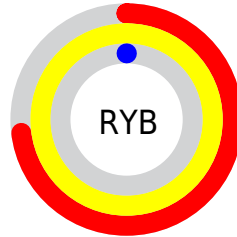
The XYZ color **51.6737, 42.1274, 5.4079** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **23.4130, 17.9460, 96.8369**, and the grayscale version is **34.9236, 36.7423, 40.0124**.

A 20% lighter version of the original color is **63.6650, 64.0229, 15.8396**, and **25.5781, 19.2608, 2.3696** is the 20% darker color. If you saturate the color by 10%, you get **51.6737, 42.1279, 5.4080**, and if you desaturate by 10%, it is **53.6147, 45.7203, 6.9481**.

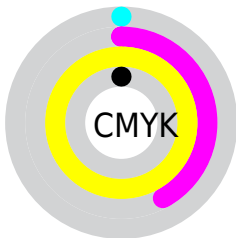
Distribution



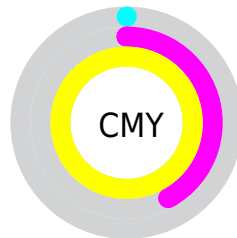
- Red (100%)
- Green (58%)
- Blue (0%)



- Red (73%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (42%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.6737, 42.1274, 5.4079 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 51.6737, 42.1274, 5.4079 by changing the saturation by 10% instead.


 51.6737, 42.1274,
5.4079


 51.6737, 42.1274,
5.4079


383.5203,
355.0108, 162.7821

 36.9683, 29.2011,
2.4256


 91.8269, 78.3924,
17.1449


 25.3565, 19.2330,
0.8004


 118.0054,
102.4999, 26.7367


 16.4730, 11.8387,
0.0000

 148.7390,
131.1031, 39.3688


 9.9524, 6.6340,
0.0000

 184.3930,
164.5866, 55.4597

 5.4295, 3.2343,
0.0000

 225.3327,
203.3348, 75.4279


 2.5387, 1.2552,
0.0000

 271.9237,


 0.9148, 0.1061,


247.7319, 99.6921


0.0000


 324.5310,
298.1624, 128.6706


 0.0000, 0.0000,
0.0000


 51.6737, 42.1274,
5.4079


 51.6737, 42.1274,
5.4079


 51.6737, 42.1279,
5.4080

 53.6147, 45.7203,
6.9481

 55.9524, 49.7289,
9.7830

 58.7638, 54.1922,
14.2942

 62.0967, 59.1357,
20.7151

 65.9920, 64.5816,
29.2415

70.4854, 70.5500,
40.0448

75.6094, 77.0595,
53.2785

81.3939, 84.1275,
69.0826

87.8664, 91.7703,
87.5864

Harmonies

Analogous

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



65.5842, 42.1274, 13.7677



51.6737, 42.1274, 5.4079



37.1026, 42.1274, 4.1163

Triad

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



51.6737, 42.1274, 5.4079



18.9345, 42.1274, 55.0516



58.1102, 42.1274, 138.9570

Complementary

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



51.6737, 42.1274, 5.4079



23.4130, 17.9460, 96.8369

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.



43.1302, 42.1274, 171.5719



51.6737, 42.1274, 5.4079



22.1761, 42.1274, 108.0255

Square

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



51.6737, 42.1274, 5.4079



20.2054, 42.1274, 21.6140



30.2996, 42.1274, 157.8186



69.8608, 42.1274, 83.6691

Rectangle

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



51.6737, 42.1274, 5.4079



29.2745, 42.1274, 5.8188



30.2996, 42.1274, 157.8186



53.1680, 42.1274, 154.0486

Sweetspot

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



51.6746, 42.1296, 5.4086



75.6073, 77.0568, 53.2717



44.0820, 22.3970, 16.8966



15.7038, 15.8915, 10.1428



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.



51.6746, 42.1296, 5.4086



51.6741, 42.1283, 5.4080



71.0197, 89.6966, 13.5704



18.8790, 19.7262, 18.9568



27.1520, 22.3151, 2.8762



2.7520, 2.3893, 0.3161

Inverse Universe

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



23.4130, 17.9460, 96.8369



23.4123, 17.9446, 96.8374



18.2814, 7.3395, 95.0601



17.6353, 18.6423, 22.9188



12.3738, 9.6572, 50.6464



1.3102, 1.1512, 4.9664

Previews

White Background



This preview shows how the XYZ color 51.6737, 42.1274, 5.4079 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 51.6737, 42.1274, 5.4079 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 51.6737, 42.1274, 5.4079

Background



This preview shows how black text looks on a background with the XYZ color 51.6737, 42.1274, 5.4079.



This preview shows how white text looks on a background with the XYZ color 51.6737, 42.1274,

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

51.6737, 42.1274, 5.4079

Protanopia

38.2212, 42.4462, 6.8403

Deuteranopia

42.9703, 42.1259, 5.8663



Tritanopia

56.0429, 42.1861, 33.6227

Trichromacy



Original Color

51.6737, 42.1274, 5.4079

Protanomaly

42.1431, 41.6910, 6.2068

Deuteranomaly

45.8311, 41.7774, 5.6483

Tritanomaly

53.1280, 41.7311, 16.0812

Monochromacy



Original Color

51.6737, 42.1274, 5.4079

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.3206, 36.8492, 18.2423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6737, 42.1274, 5.4079 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, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 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, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.6737, 42.1274, 5.4079 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, 147, 0) }
```


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

```
.border{ border-color:rgb(255, 147, 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, 147, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6737, 42.1274, 5.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 0) }
```

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

```
.background{ background-color: rgb(255,  
147, 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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