

Converting Colors

XYZ(52.0701, 42.9203, 5.5400)

Have a look what the booklet for
XYZ(52.0701, 42.9203, 5.5400)
contains.

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Color

**XYZ(52.1463, 43.0727,
5.5654)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9600
RGB	255, 150, 0
RGB Percent	100%, 59%, 0%
CMY	0.0000, 0.4117, 1.0000
CMYK	0.00, 0.41, 1.00, 0.00
HSL	35°, 100%, 50%
HSV	35°, 100%, 100%
XYZ	52.1463, 43.0727, 5.5654
YIQ	164.2950, 110.7300, -24.3900

Conversions

Conversions Part 2

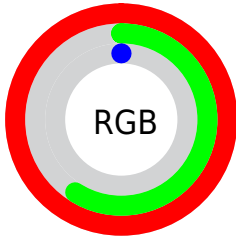
Format	Color
RYB	179, 255, 0
Decimal	16750080
CIELab	71.60, 31.72, 76.82
CIElCh	72, 83.109, 67.565
Yxy	43.0727, 0.5174, 0.4274
Android (android.graphics.Color)	4294940160 (0xFFFF9600)
YUV	164.2950, -80.9974, 79.5483
Hunter-Lab	65.6298, 26.9754, 40.9131

Details

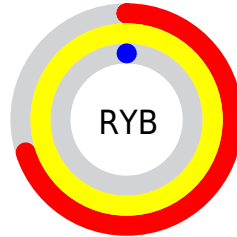
The XYZ color **52.1463, 43.0727, 5.5654** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **23.1018, 17.3237, 96.7330**, and the grayscale version is **35.7663, 37.6290, 40.9780**.

A 20% lighter version of the original color is **64.4109, 65.4585, 16.2611**, and **25.8535, 19.8117, 2.4614** is the 20% darker color. If you saturate the color by 10%, you get **52.1464, 43.0735, 5.5656**, and if you desaturate by 10%, it is **54.0796, 46.6501, 7.1030**.

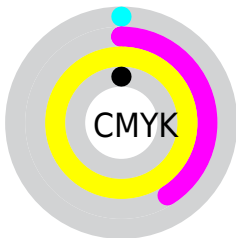
Distribution



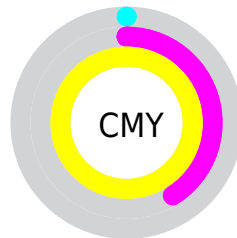
- Red (100%)
- Green (59%)
- Blue (0%)



- Red (70%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (41%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (41%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1463, 43.0727, 5.5654 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 52.1463, 43.0727, 5.5654 by changing the saturation by 10% instead.


 52.1463, 43.0727,
5.5654

 52.1463, 43.0727,
5.5654


385.3158,
358.9107, 164.2963

 37.3464, 29.9422,
2.5182


 92.5199, 79.8206,
17.4838

 25.6507, 19.7947,
0.8498


 118.8244,
104.2067, 27.1920

 16.6938, 12.2459,
0.0000


 149.6944,
133.1134, 39.9577

 10.1104, 6.9114,
0.0000

 185.4954,
166.9252, 56.1993

 5.5350, 3.4067,
0.0000

 226.5927,
206.0264, 76.3354


 2.6024, 1.3476,
0.0000

 273.3516,


 0.9472, 0.1776,


250.8015, 100.7846


0.0000


 326.1375,
301.6348, 129.9654


 0.0000, 0.0000,
0.0000


 52.1463, 43.0727,
5.5654


 52.1463, 43.0727,
5.5654


 52.1464, 43.0735,
5.5656

 54.0796, 46.6501,
7.1030

 56.4016, 50.6273,
9.9326

 59.1890, 55.0428,
14.4357

 62.4894, 59.9213,
20.8456

 66.3431, 65.2842,
29.3581

70.7858, 71.1512,
40.1444

75.8496, 77.5402,
53.3579

81.5640, 84.4681,
69.1385

87.9564, 91.9506,
87.6154

Harmonies

Analogous

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



66.3217, 43.0727, 13.7636



52.1463, 43.0727, 5.5654



37.4828, 43.0727, 4.4047

Triad

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



52.1463, 43.0727, 5.5654



19.5643, 43.0727, 57.8467



59.7296, 43.0727, 138.9193

Complementary

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



52.1463, 43.0727, 5.5654



23.1018, 17.3237, 96.7330

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.



44.6021, 43.0727, 173.1106



52.1463, 43.0727, 5.5654



23.0332, 43.0727, 111.6995

Square

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



52.1463, 43.0727, 5.5654



20.6920, 43.0727, 23.1238



31.4654, 43.0727, 161.0183



71.3525, 43.0727, 83.0821

Rectangle

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



52.1463, 43.0727, 5.5654



29.6612, 43.0727, 6.3029



31.4654, 43.0727, 161.0183



54.7655, 43.0727, 154.4455

Sweetspot

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



52.1472, 43.0750, 5.5662



75.8480, 77.5380, 53.3519



43.8546, 22.3060, 15.6997



15.7610, 16.0059, 10.1618



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.



52.1472, 43.0750, 5.5662



52.1469, 43.0739, 5.5656



69.6094, 88.9695, 13.5044



18.8975, 19.7632, 18.9630



27.3986, 22.8084, 2.9584



2.7754, 2.4362, 0.3239

Inverse Universe

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



23.1018, 17.3237, 96.7330



23.1012, 17.3224, 96.7337



18.3648, 7.3825, 95.0639



17.6173, 18.6062, 22.9128



12.2093, 9.3282, 50.5916



1.2932, 1.1172, 4.9608

Previews

White Background



This preview shows how the XYZ color 52.1463, 43.0727, 5.5654 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 52.1463, 43.0727, 5.5654 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 52.1463, 43.0727, 5.5654

Background



This preview shows how black text looks on a background with the XYZ color 52.1463, 43.0727, 5.5654.



This preview shows how white text looks on a background with the XYZ color 52.1463, 43.0727,

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

52.1463, 43.0727, 5.5654

Protanopia

38.9403, 43.1069, 6.9299

Deuteranopia

43.9429, 43.1670, 6.0160



Tritanopia

56.7300, 43.1719, 35.0488

Trichromacy



Original Color

52.1463, 43.0727, 5.5654

Protanomaly

43.1048, 42.7266, 6.3560

Deuteranomaly

46.6766, 42.9822, 5.8363

Tritanomaly

53.6766, 42.6808, 16.7184

Monochromacy



Original Color

52.1463, 43.0727, 5.5654

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.9228, 37.6661, 18.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1463, 43.0727, 5.5654 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, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 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, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 0) }
```

Border

The CSS property to change the border of an element to XYZ 52.1463, 43.0727, 5.5654 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, 150, 0) }
```


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

```
.border{ border-color:rgb(255, 150, 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, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1463, 43.0727, 5.5654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 0) }
```

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

```
.background{ background-color: rgb(255,  
150, 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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