

Converting Colors

XYZ(52.4071, 43.1770, 6.9383)

Have a look what the booklet for
XYZ(52.4071, 43.1770, 6.9383)
contains.

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Color

**XYZ(52.4071, 43.1770,
6.9383)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9620
RGB	255, 150, 32
RGB Percent	100%, 59%, 13%
CMY	0.0000, 0.4117, 0.8745
CMYK	0.00, 0.41, 0.87, 0.00
HSL	32°, 100%, 56%
HSV	32°, 87%, 100%
XYZ	52.4071, 43.1770, 6.9383
YIQ	167.9430, 100.4580, -14.4380

Conversions

Conversions Part 2

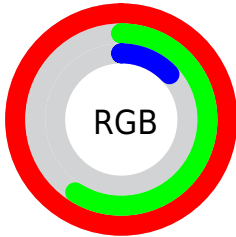
Format	Color
R_{YB}	230, 255, 32
Decimal	16750112
CIE Lab	71.67, 32.09, 71.28
CIE LCh	72, 78.172, 65.760
Yxy	43.1770, 0.5112, 0.4211
Android (android.graphics.Color)	4294940192 (0xFFFF9620)
YUV	167.9430, -67.0199, 76.3490
Hunter-Lab	65.7092, 27.3735, 39.7360

Details

The XYZ color **52.4071, 43.1770, 6.9383** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.5909, 25.4174, 98.0590**, and the grayscale version is **37.4770, 39.4287, 42.9379**.

A 20% lighter version of the original color is **64.9596, 65.6780, 19.1509**, and **26.1059, 19.9418, 2.4732** is the 20% darker color. If you saturate the color by 10%, you get **50.3641, 39.4515, 5.1472**, and if you desaturate by 10%, it is **54.9136, 47.4058, 10.1932**.

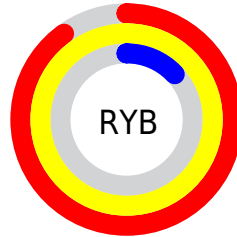
Distribution



Red (100%)

Green (59%)

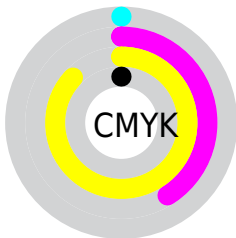
Blue (13%)



Red (90%)

Yellow (100%)

Blue (13%)

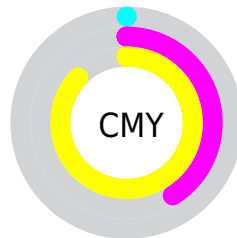


Cyan (0%)

Magenta (41%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (41%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4071, 43.1770, 6.9383 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 52.4071, 43.1770, 6.9383 by changing the saturation by 10% instead.


 52.4071, 43.1770,
6.9383


 52.4071, 43.1770,
6.9383


386.3044,
359.3392, 176.7615

 37.5552, 30.0240,
3.3457


 92.9020, 79.9779,
20.3597


 25.8133, 19.8568,
1.2737


 119.2758,
104.3946, 31.0256

 16.8160, 12.2910,
0.0401


 150.2210,
133.3346, 44.8864

 10.1979, 6.9422,
0.0000

 186.1028,
167.1825, 62.3605

 5.5936, 3.4260,
0.0000

 227.2867,
206.3224, 83.8665

 2.6379, 1.3580,
0.0000

 274.1381,

 0.9653, 0.1854,

251.1389, 109.8230

0.0000

327.0222,
302.0164, 140.6485

■ 0.0000, 0.0000,
0.0000

■ 52.4071, 43.1770,
6.9383

■ 52.4071, 43.1770,
6.9383

■ 50.3641, 39.4515,
5.1472

■ 54.9136, 47.4058,
10.1932

■ 49.8952, 38.5707,
4.8151

■ 57.9411, 52.1642,
15.1994

■ 61.5378, 57.4820,
22.1803

■ 65.7445, 63.3839,
31.3251

■ 70.5975, 69.8925,
42.8006

76.1301, 77.0287,
56.7569

82.3725, 84.8122,
73.3316

89.3534, 93.2618,
92.6520

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



65.3669, 43.1770, 15.9732



52.4071, 43.1770, 6.9383



38.5352, 43.1770, 5.3793

Triad

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



52.4071, 43.1770, 6.9383



20.5573, 43.1770, 54.7189



57.7926, 43.1770, 134.5070

Complementary

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



52.4071, 43.1770, 6.9383



27.5909, 25.4174, 98.0590

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.



43.6478, 43.1770, 163.3195



52.4071, 43.1770, 6.9383



23.6477, 43.1770, 103.8134

Square

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



52.4071, 43.1770, 6.9383



21.9216, 43.1770, 22.9760



31.4457, 43.1770, 149.8053



68.9152, 43.1770, 83.7638

Rectangle

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



52.4071, 43.1770, 6.9383



30.9357, 43.1770, 7.1692



31.4457, 43.1770, 149.8053



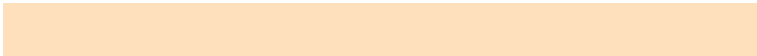
53.1312, 43.1770, 148.0414

Sweetspot

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



52.4081, 43.1793, 6.9391



76.9905, 78.1165, 58.9937



46.4742, 24.1803, 26.9459



16.0444, 16.1686, 11.5023



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.



52.4081, 43.1793, 6.9391



49.8955, 38.5710, 4.8152



75.9061, 92.1856, 15.1598



18.8051, 19.5784, 18.9322



26.2223, 20.4559, 2.5663



2.6626, 2.2106, 0.2863

Inverse Universe

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



27.5909, 25.4174, 98.0590



24.7738, 20.6676, 97.2913



19.2844, 8.6233, 95.2552



17.7082, 18.7881, 22.9431



13.0915, 11.0926, 50.8857



1.3830, 1.2966, 4.9907

Previews

White Background



This preview shows how the XYZ color 52.4071, 43.1770, 6.9383 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 52.4071, 43.1770, 6.9383 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 52.4071, 43.1770, 6.9383

Background



This preview shows how black text looks on a background with the XYZ color 52.4071, 43.1770, 6.9383.



This preview shows how white text looks on a background with the XYZ color 52.4071, 43.1770,

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

52.4071, 43.1770, 6.9383

Protanopia

39.1802, 43.2029, 8.1934

Deuteranopia

44.0521, 43.2107, 6.5910



Tritanopia

56.7300, 43.1719, 35.0488

Trichromacy



Original Color

52.4071, 43.1770, 6.9383

Protanomaly

43.3506, 42.8249, 7.6503

Deuteranomaly

46.8312, 43.0440, 6.6507

Tritanomaly

54.2257, 42.9005, 19.6100

Monochromacy



Original Color

52.4071, 43.1770, 6.9383

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.8941, 39.1010, 22.8974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4071, 43.1770, 6.9383 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 32) }
```

Border

The CSS property to change the border of an element to XYZ 52.4071, 43.1770, 6.9383 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, 32) }
```


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

```
.border{ border-color:rgb(255, 150, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4071, 43.1770, 6.9383 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, 32) }
```

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

```
.background{ background-color: rgb(255,  
150, 32) }
```

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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