

Converting Colors

XYZ(52.4258, 42.9333, 7.8116)

Have a look what the booklet for
XYZ(52.4258, 42.9333, 7.8116)
contains.

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Color

**XYZ(52.4235, 42.9293,
7.8087)**

Conversions

Conversions Part 1

Format	Color
Hex	FF952B
RGB	255, 149, 43
RGB Percent	100%, 58%, 17%
CMY	0.0000, 0.4157, 0.8314
CMYK	0.00, 0.42, 0.83, 0.00
HSL	30°, 100%, 58%
HSV	30°, 83%, 100%
XYZ	52.4235, 42.9293, 7.8087
YIQ	168.6100, 97.2020, -10.4940

Conversions

Conversions Part 2

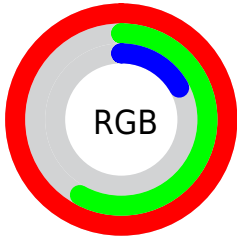
Format	Color
R _Y B	255, 255, 43
Decimal	16749867
CIE Lab	71.51, 32.86, 67.78
CIE LCh	72, 75.326, 64.135
Yxy	42.9293, 0.5082, 0.4161
Android (android.graphics.Color)	4294939947 (0xFFFF952B)
YUV	168.6100, -61.9257, 75.7640
Hunter-Lab	65.5205, 28.1586, 38.7982

Details

The XYZ color **52.4235, 42.9293, 7.8087** 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 **29.7931, 29.2273, 98.6782**, and the grayscale version is **37.7832, 39.7508, 43.2887**.

A 20% lighter version of the original color is **65.0375, 65.3276, 20.7369**, and **26.0129, 19.7559, 2.4422** is the 20% darker color. If you saturate the color by 10%, you get **50.1854, 38.9831, 5.4307**, and if you desaturate by 10%, it is **55.1761, 47.4384, 11.7983**.

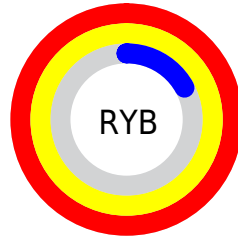
Distribution



Red (100%)

Green (58%)

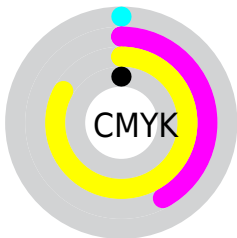
Blue (17%)



Red (100%)

Yellow (100%)

Blue (17%)

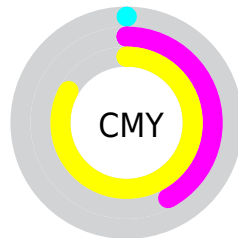


Cyan (0%)

Magenta (42%)

Yellow (83%)

Black (0%)



Cyan (0%)


Magenta (42%)

Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.4235, 42.9293, 7.8087 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 52.4235, 42.9293, 7.8087 by changing the saturation by 10% instead.


 52.4235, 42.9293,
7.8087


 52.4235, 42.9293,
7.8087


386.3665,
358.3209, 184.1020


 37.5684, 29.8296,
3.8868


 92.9260, 79.6042,
22.1225


 25.8236, 19.7093,
1.5634


 119.3042,
103.9482, 33.3515


 16.8237, 12.1839,
0.2645


 150.2540,
132.8091, 47.8532

 10.2034, 6.8691,
0.0000

 186.1410,
166.5713, 66.0462

 5.5973, 3.3803,
0.0000

 227.3303,
205.6192, 88.3490

 2.6401, 1.3334,
0.0000

 274.1875,

 0.9664, 0.1668,

250.3371, 115.1802

0.0000

327.0778,
301.1096, 146.9584

■ 0.0000, 0.0000,
0.0000

■ 52.4235, 42.9293,
7.8087

■ 52.4235, 42.9293,
7.8087

■ 50.1854, 38.9831,
5.4307

■ 55.1761, 47.4384,
11.7983

■ 48.8947, 36.5698,
4.4816

■ 58.4943, 52.5361,
17.6482

■ 62.4244, 58.2530,
25.5657

■ 67.0062, 64.6150,
35.7300

■ 72.2756, 71.6460,
48.3004

78.2654, 79.3684,
63.4215

85.0062, 87.8033,
81.2265

92.5265, 96.9709,
101.8393

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



64.5661, 42.9293, 17.4350



52.4235, 42.9293, 7.8087



39.0655, 42.9293, 5.9145

Triad

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



52.4235, 42.9293, 7.8087



20.9550, 42.9293, 51.9751



56.1153, 42.9293, 131.9376

Complementary

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



52.4235, 42.9293, 7.8087



29.7931, 29.2273, 98.6782

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.



42.5913, 42.9293, 157.1148



52.4235, 42.9293, 7.8087



23.7293, 42.9293, 98.0633

Square

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



52.4235, 42.9293, 7.8087



22.5222, 42.9293, 22.3698



31.0407, 42.9293, 142.2798



66.9895, 42.9293, 84.4199

Rectangle

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



52.4235, 42.9293, 7.8087



31.6014, 42.9293, 7.5409



31.0407, 42.9293, 142.2798



51.6371, 42.9293, 144.1639

Sweetspot

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



52.4245, 42.9316, 7.8095



77.0931, 77.8757, 60.4029



47.5287, 25.1579, 30.7854



16.0431, 16.0806, 11.7646



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.



52.4245, 42.9316, 7.8095



48.8950, 36.5700, 4.4817



77.4356, 92.9538, 16.1465



18.7598, 19.4878, 18.9171



25.6980, 19.4072, 2.3915



2.6113, 2.1080, 0.2693

Inverse Universe

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



29.7931, 29.2273, 98.6782



25.7032, 22.5264, 97.6011



19.9103, 9.4617, 95.3839



17.7534, 18.8784, 22.9581



13.5798, 12.0691, 51.0484



1.4314, 1.3935, 5.0068

Previews

White Background



This preview shows how the XYZ color 52.4235, 42.9293, 7.8087 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 52.4235, 42.9293, 7.8087 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 52.4235, 42.9293, 7.8087

Background



This preview shows how black text looks on a background with the XYZ color 52.4235, 42.9293, 7.8087.



This preview shows how white text looks on a background with the XYZ color 52.4235, 42.9293,

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

52.4235, 42.9293, 7.8087

Protanopia

39.1270, 43.1513, 9.2844

Deuteranopia

43.9262, 43.1251, 7.5222



Tritanopia

56.4989, 42.8404, 34.5694

Trichromacy



Original Color

52.4235, 42.9293, 7.8087

Protanomaly

43.0628, 42.3831, 8.6004

Deuteranomaly

46.5090, 42.5988, 7.5214

Tritanomaly

54.2900, 42.6807, 20.7060

Monochromacy



Original Color

52.4235, 42.9293, 7.8087

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.3149, 39.5501, 24.2480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4235, 42.9293, 7.8087 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, 149, 43)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 43)  
}
```

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, 149, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 43) }
```

Border

The CSS property to change the border of an element to XYZ 52.4235, 42.9293, 7.8087 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, 149, 43) }
```


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

```
.border{ border-color:rgb(255, 149, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 149, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 43);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4235, 42.9293, 7.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 43) }
```

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

```
.background{ background-color: rgb(255,  
149, 43) }
```

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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