

Converting Colors

XYZ(52.6628, 43.6629, 7.1020)

Have a look what the booklet for
XYZ(52.6628, 43.6629, 7.1020)
contains.

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Color

**XYZ(52.7428, 43.8263,
7.1183)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9821
RGB	255, 152, 33
RGB Percent	100%, 60%, 13%
CMY	0.0000, 0.4039, 0.8706
CMYK	0.00, 0.40, 0.87, 0.00
HSL	32°, 100%, 56%
HSV	32°, 87%, 100%
XYZ	52.7428, 43.8263, 7.1183
YIQ	169.2310, 99.5870, -15.1730

Conversions

Conversions Part 2

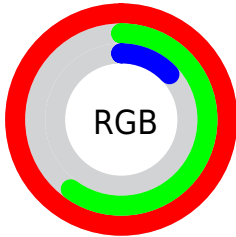
Format	Color
RYB	225, 255, 33
Decimal	16750625
CIELab	72.11, 31.08, 71.35
CIElCh	72, 77.825, 66.460
Yxy	43.8263, 0.5087, 0.4227
Android (android.graphics.Color)	4294940705 (0xFFFF9821)
YUV	169.2310, -67.1619, 75.2194
Hunter-Lab	66.2014, 26.3588, 39.9659

Details

The XYZ color **52.7428, 43.8263, 7.1183** 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 **27.4810, 25.1508, 98.0133**, and the grayscale version is **38.1158, 40.1007, 43.6697**.

A 20% lighter version of the original color is **65.4846, 66.6584, 19.5402**, and **26.2954, 20.3208, 2.5364** is the 20% darker color. If you saturate the color by 10%, you get **50.6848, 40.0843, 5.2812**, and if you desaturate by 10%, it is **55.2628, 48.0635, 10.4352**.

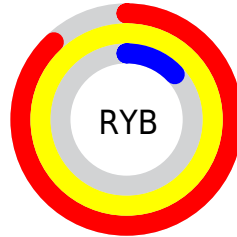
Distribution



Red (100%)

Green (60%)

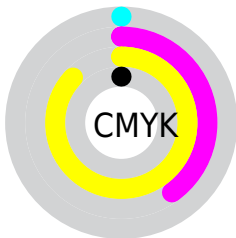
Blue (13%)



Red (88%)

Yellow (100%)

Blue (13%)

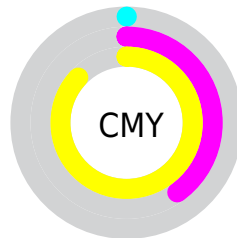


Cyan (0%)

Magenta (40%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.7428, 43.8263, 7.1183 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 52.7428, 43.8263, 7.1183 by changing the saturation by 10% instead.


 52.7428, 43.8263,
7.1183

 52.7428, 43.8263,
7.1183


387.5746,
361.9990, 178.3112

 37.8241, 30.5340,
3.4566


 93.3936, 80.9563,
20.7277


 26.0228, 20.2442,
1.3323


 119.8564,
105.5628, 31.5125


 16.9735, 12.5727,
0.0880


 150.8979,
134.7094, 45.5088

 10.3108, 7.1350,
0.0000

 186.8836,
168.7806, 63.1351

 5.6693, 3.5467,
0.0000

 228.1788,
208.1608, 84.8100

 2.6838, 1.4234,
0.0000

 275.1487,

 0.9889, 0.2338,

253.2343, 110.9519

0.0000

328.1589,
304.3856, 141.9794

■ 0.0000, 0.0000,
0.0000

■ 52.7428, 43.8263,
7.1183

■ 52.7428, 43.8263,
7.1183

■ 50.6848, 40.0843,
5.2812

■ 55.2628, 48.0635,
10.4352

■ 50.1421, 39.0646,
4.8974

■ 58.3005, 52.8208,
15.5112

■ 61.9036, 58.1275,
22.5680

■ 66.1125, 64.0078,
31.7937

■ 70.9631, 70.4835,
43.3542

76.4882, 77.5752,
57.3992

82.7179, 85.3022,
74.0655

89.6805, 93.6827,
93.4802

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.



65.8317, 43.8263, 16.0589



52.7428, 43.8263, 7.1183



38.8405, 43.8263, 5.6475

Triad

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



52.7428, 43.8263, 7.1183



21.0400, 43.8263, 56.4551



58.8013, 43.8263, 134.3428

Complementary

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



52.7428, 43.8263, 7.1183



27.4810, 25.1508, 98.0133

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.



44.6035, 43.8263, 163.9797



52.7428, 43.8263, 7.1183



24.2680, 43.8263, 105.9150

Square

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



52.7428, 43.8263, 7.1183



22.3133, 43.8263, 24.0131



32.2424, 43.8263, 151.4743



69.8184, 43.8263, 83.4114

Rectangle

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



52.7428, 43.8263, 7.1183



31.2557, 43.8263, 7.5718



32.2424, 43.8263, 151.4743



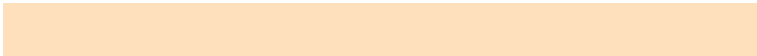
54.1390, 43.8263, 148.0888

Sweetspot

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



52.7438, 43.8286, 7.1191



77.1132, 78.3620, 59.0346



46.2706, 24.1426, 25.7389



16.0735, 16.2267, 11.5120



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.



52.7438, 43.8286, 7.1191



50.1424, 39.0649, 4.8975



74.6039, 91.5127, 15.1709



18.8159, 19.5999, 18.9358



26.3516, 20.7144, 2.6094



2.6751, 2.2356, 0.2905

Inverse Universe

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



27.4810, 25.1508, 98.0133



24.5643, 20.2487, 97.2214



19.4848, 8.7672, 95.2724



17.6976, 18.7668, 22.9395



12.9813, 10.8722, 50.8489



1.3719, 1.2746, 4.9870

Previews

White Background



This preview shows how the XYZ color 52.7428, 43.8263, 7.1183 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 52.7428, 43.8263, 7.1183 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 52.7428, 43.8263, 7.1183

Background



This preview shows how black text looks on a background with the XYZ color 52.7428, 43.8263, 7.1183.



This preview shows how white text looks on a background with the XYZ color 52.7428, 43.8263,

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

52.7428, 43.8263, 7.1183

Protanopia

39.8566, 44.1361, 8.4259

Deuteranopia

44.8785, 43.9067, 6.8190



Tritanopia

57.1981, 43.8439, 36.0199

Trichromacy



Original Color

52.7428, 43.8263, 7.1183

Protanomaly

43.7353, 43.5696, 7.8549

Deuteranomaly

47.3567, 43.5730, 6.8342

Tritanomaly

54.6444, 43.5656, 20.2808

Monochromacy



Original Color

52.7428, 43.8263, 7.1183

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

40.3068, 39.8298, 23.3328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.7428, 43.8263, 7.1183 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, 152, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 33)  
}
```

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, 152, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 33) }
```

Border

The CSS property to change the border of an element to XYZ 52.7428, 43.8263, 7.1183 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, 152, 33) }
```


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

```
.border{ border-color:rgb(255, 152, 33) }
```

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

Here you see how a box with a 4 pixel rgb(255, 152, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 52.7428, 43.8263, 7.1183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 33) }
```

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

```
.background{ background-color: rgb(255,  
152, 33) }
```

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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