

Converting Colors

XYZ(52.1488, 42.1214, 8.5158)

Have a look what the booklet for
XYZ(52.1488, 42.1214, 8.5158)
contains.

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Color

**XYZ(52.1164, 42.0568,
8.5029)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9233
RGB	255, 146, 51
RGB Percent	100%, 57%, 20%
CMY	0.0000, 0.4274, 0.8000
CMYK	0.00, 0.43, 0.80, 0.00
HSL	28°, 100%, 60%
HSV	28°, 80%, 100%
XYZ	52.1164, 42.0568, 8.5029
YIQ	167.7610, 95.4590, -6.4370

Conversions

Conversions Part 2

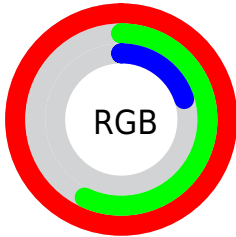
Format	Color
R_{YB}	255, 229, 51
Decimal	16749107
CIE _{Lab}	70.91, 34.63, 64.36
CIE _{LCh}	71, 73.084, 61.715
Yxy	42.0568, 0.5076, 0.4096
Android (android.graphics.Color)	4294939187 (0xFFFF9233)
YUV	167.7610, -57.5632, 76.5086
Hunter-Lab	64.8512, 29.9584, 37.6221

Details

The XYZ color **52.1164, 42.0568, 8.5029** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.9851, 33.0635, 99.3030**, and the grayscale version is **37.3440, 39.2888, 42.7856**.

A 20% lighter version of the original color is **64.6764, 64.0532, 22.3193**, and **25.7409, 19.2119, 2.3516** is the 20% darker color. If you saturate the color by 10%, you get **49.7240, 37.9390, 5.6506**, and if you desaturate by 10%, it is **55.0688, 46.8028, 13.0609**.

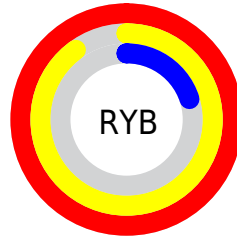
Distribution



Red (100%)

Green (57%)

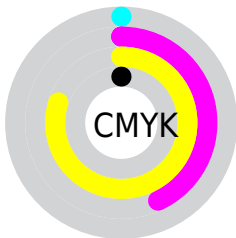
Blue (20%)



Red (100%)

Yellow (90%)

Blue (20%)

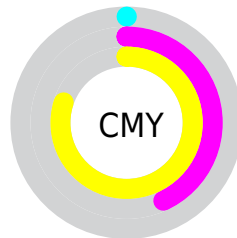


Cyan (0%)

Magenta (43%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1164, 42.0568, 8.5029 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 52.1164, 42.0568, 8.5029 by changing the saturation by 10% instead.


 52.1164, 42.0568,
8.5029


 52.1164, 42.0568,
8.5029


385.2024,
354.7183, 189.7044

 37.3225, 29.1458,
4.3260

 92.4761, 78.2856,
23.5008


 25.6321, 19.1911,
1.8059


 118.7726,
102.3721, 35.1590


 16.6799, 11.8085,
0.4318


 149.6340,
130.9526, 50.1480

 10.1004, 6.6134,
0.0000

 185.4257,
164.4115, 68.8863

 5.5283, 3.2215,
0.0000

 226.5131,
203.1331, 91.7926

 2.5984, 1.2484,
0.0000

 273.2614,

 0.9451, 0.1007,

247.5018, 119.2854

0.0000

326.0360,
297.9021, 151.7831

■ 0.0000, 0.0000,
0.0000

■ 52.1164, 42.0568,
8.5029

■ 52.1164, 42.0568,
8.5029

■ 49.7240, 37.9390,
5.6506

■ 55.0688, 46.8028,
13.0609

■ 47.8079, 34.3963,
4.1195

■ 58.6308, 52.2046,
19.5575

■ 47.8077, 34.3959,
4.1193

■ 62.8482, 58.2951,
28.1906

■ 67.7609, 65.1024,
39.1328

■ 73.4052, 72.6526,
52.5391

■ 79.8144, 80.9703,
68.5505

■ 87.0197, 90.0789,
87.2977

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



63.3615, 42.0568, 18.8285



52.1164, 42.0568, 8.5029



39.2776, 42.0568, 6.1637

Triad

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



52.1164, 42.0568, 8.5029



20.8523, 42.0568, 47.8276



53.5773, 42.0568, 129.7101

Complementary

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



52.1164, 42.0568, 8.5029



31.9851, 33.0635, 99.3030

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.



40.6781, 42.0568, 150.7229



52.1164, 42.0568, 8.5029



23.1918, 42.0568, 90.8195

Square

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



52.1164, 42.0568, 8.5029



22.7081, 42.0568, 20.8152



29.8808, 42.0568, 133.7665



64.3183, 42.0568, 85.4460

Rectangle

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



52.1164, 42.0568, 8.5029



31.9273, 42.0568, 7.4898



29.8808, 42.0568, 133.7665



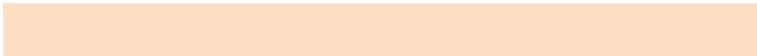
49.2698, 42.0568, 140.5080

Sweetspot

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



52.1173, 42.0590, 8.5037



77.1567, 77.5492, 61.8231



49.0525, 26.2793, 37.2318



16.0307, 15.9691, 12.0279



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.



52.1173, 42.0590, 8.5037



48.5296, 35.7498, 4.6355



74.4290, 86.6823, 15.9409



18.7067, 19.3816, 18.8994



25.1269, 18.2650, 2.2012



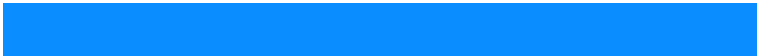
2.5546, 1.9945, 0.2503

Inverse Universe

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



31.9851, 33.0635, 99.3030



27.7014, 26.3333, 98.2305



21.0948, 11.2830, 95.6730



17.8067, 18.9851, 22.9759



14.2007, 13.3110, 51.2554



1.4921, 1.5148, 5.0270

Previews

White Background



This preview shows how the XYZ color 52.1164, 42.0568, 8.5029 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 52.1164, 42.0568, 8.5029 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 52.1164, 42.0568, 8.5029

Background



This preview shows how black text looks on a background with the XYZ color 52.1164, 42.0568, 8.5029.



This preview shows how white text looks on a background with the XYZ color 52.1164, 42.0568,

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

52.1164, 42.0568, 8.5029

Protanopia

38.4054, 42.1797, 10.1203

Deuteranopia

43.1232, 42.1522, 8.2462



Tritanopia

56.0429, 42.1861, 33.6227

Trichromacy



Original Color

52.1164, 42.0568, 8.5029

Protanomaly

42.5803, 41.5785, 9.3957

Deuteranomaly

46.0187, 41.8148, 8.3349

Tritanomaly

53.8936, 41.7983, 20.8501

Monochromacy



Original Color

52.1164, 42.0568, 8.5029

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

40.0919, 38.9016, 24.7977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1164, 42.0568, 8.5029 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, 146, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 51)  
}
```

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, 146, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 51) }
```

Border

The CSS property to change the border of an element to XYZ 52.1164, 42.0568, 8.5029 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, 146, 51) }
```


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

```
.border{ border-color:rgb(255, 146, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1164, 42.0568, 8.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 51) }
```

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

```
.background{ background-color: rgb(255,  
146, 51) }
```

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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