

Converting Colors

XYZ(52.2927, 42.4094, 8.5617)

Have a look what the booklet for
XYZ(52.2927, 42.4094, 8.5617)
contains.

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Color

**XYZ(52.2713, 42.3665,
8.5545)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9333
RGB	255, 147, 51
RGB Percent	100%, 58%, 20%
CMY	0.0000, 0.4235, 0.8000
CMYK	0.00, 0.42, 0.80, 0.00
HSL	28°, 100%, 60%
HSV	28°, 80%, 100%
XYZ	52.2713, 42.3665, 8.5545
YIQ	168.3480, 95.1840, -6.9600

Conversions

Conversions Part 2

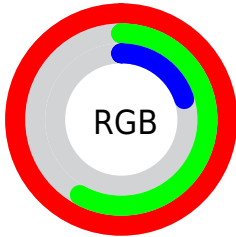
Format	Color
R_{YB}	255, 232, 51
Decimal	16749363
CIE _{Lab}	71.12, 34.12, 64.55
CIE _{LCh}	71, 73.015, 62.141
Yxy	42.3665, 0.5065, 0.4106
Android (android.graphics.Color)	4294939443 (0xFFFF9333)
YUV	168.3480, -57.8526, 75.9938
Hunter-Lab	65.0896, 29.4408, 37.7704

Details

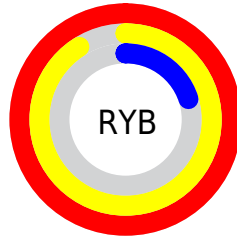
The XYZ color **52.2713, 42.3665, 8.5545** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.8125, 32.7182, 99.2457**, and the grayscale version is **37.6348, 39.5948, 43.1187**.

A 20% lighter version of the original color is **64.9103, 64.5210, 22.3973**, and **25.8304, 19.3909, 2.3814** is the 20% darker color. If you saturate the color by 10%, you get **49.8780, 38.2469, 5.7019**, and if you desaturate by 10%, it is **55.2206, 47.1064, 13.1115**.

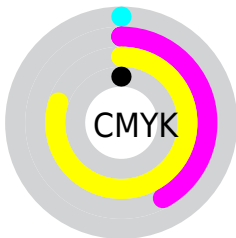
Distribution



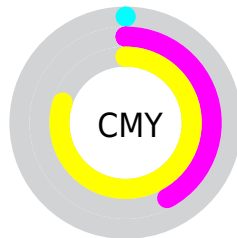
- Red (100%)
- Green (58%)
- Blue (20%)



- Red (100%)
- Yellow (91%)
- Blue (20%)



- Cyan (0%)
- Magenta (42%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (42%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.2713, 42.3665, 8.5545 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 52.2713, 42.3665, 8.5545 by changing the saturation by 10% instead.


 52.2713, 42.3665,
8.5545


 52.2713, 42.3665,
8.5545


385.7899,
356.0000, 190.1128

 37.4465, 29.3884,
4.3589


 92.7031, 78.7540,
23.6024


 25.7287, 19.3748,
1.8243


 119.0408,
102.9322, 35.2918


 16.7524, 11.9414,
0.4439


 149.9469,
131.6125, 50.3162

 10.1523, 6.7038,
0.0000

 185.7866,
165.1793, 69.0943

 5.5631, 3.2776,
0.0000

 226.9254,
204.0171, 92.0444

 2.6194, 1.2783,
0.0000

 273.7287,

 0.9559, 0.1243,

248.5102, 119.5852

0.0000

326.5617,
299.0430, 152.1351

■ 0.0000, 0.0000,
0.0000

■ 52.2713, 42.3665,
8.5545

■ 52.2713, 42.3665,
8.5545

■ 49.8780, 38.2469,
5.7019

■ 55.2206, 47.1064,
13.1115

■ 47.9573, 34.6951,
4.1693

■ 58.7754, 52.4937,
19.6056

■ 47.9571, 34.6947,
4.1691

■ 62.9810, 58.5607,
28.2348

■ 67.8774, 65.3352,
39.1716

■ 73.5004, 72.8428,
52.5708

79.8832, 81.1079,
68.5735

87.0569, 90.1532,
87.3101

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.



63.6103, 42.3665, 18.7994



52.2713, 42.3665, 8.5545



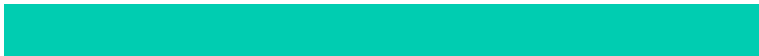
39.3968, 42.3665, 6.2739

Triad

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



52.2713, 42.3665, 8.5545



21.0615, 42.3665, 48.6893



54.1011, 42.3665, 129.7477

Complementary

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



52.2713, 42.3665, 8.5545



31.8125, 32.7182, 99.2457

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.



41.1521, 42.3665, 151.2898



52.2713, 42.3665, 8.5545



23.4744, 42.3665, 91.9696

Square

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



52.2713, 42.3665, 8.5545



22.8672, 42.3665, 21.2954



30.2593, 42.3665, 134.8207



64.8081, 42.3665, 85.2442

Rectangle

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



52.2713, 42.3665, 8.5545



32.0484, 42.3665, 7.6651



30.2593, 42.3665, 134.8207



49.7851, 42.3665, 140.7006

Sweetspot

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



52.2722, 42.3687, 8.5553



77.2366, 77.7089, 61.8498



48.7514, 26.1589, 35.6462



16.0497, 16.0072, 12.0342



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.



52.2722, 42.3687, 8.5553



48.6812, 36.0530, 4.6861



75.4661, 88.7564, 16.2865



18.7143, 19.3967, 18.9019



25.2055, 18.4222, 2.2274



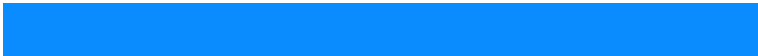
2.5625, 2.0103, 0.2530

Inverse Universe

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



31.8125, 32.7182, 99.2457



27.5254, 25.9813, 98.1719



20.9184, 10.9301, 95.6143



17.7991, 18.9698, 22.9734



14.1089, 13.1274, 51.2248



1.4832, 1.4970, 5.0241

Previews

White Background



This preview shows how the XYZ color 52.2713, 42.3665, 8.5545 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 52.2713, 42.3665, 8.5545 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 52.2713, 42.3665, 8.5545

Background



This preview shows how black text looks on a background with the XYZ color 52.2713, 42.3665, 8.5545.



This preview shows how white text looks on a background with the XYZ color 52.2713, 42.3665,

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

52.2713, 42.3665, 8.5545

Protanopia

38.5994, 42.5675, 10.1849

Deuteranopia

43.3043, 42.5144, 8.3066



Tritanopia

56.1231, 42.2182, 34.0451

Trichromacy



Original Color

52.2713, 42.3665, 8.5545

Protanomaly

42.7600, 41.9378, 9.4555

Deuteranomaly

46.1899, 42.1573, 8.3920

Tritanomaly

54.0997, 42.1198, 21.1982

Monochromacy



Original Color

52.2713, 42.3665, 8.5545

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 52.2713, 42.3665, 8.5545 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, 147, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 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, 147, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 51) }
```

Border

The CSS property to change the border of an element to XYZ 52.2713, 42.3665, 8.5545 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, 147, 51) }
```


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

```
.border{ border-color:rgb(255, 147, 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, 147, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2713, 42.3665, 8.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 51) }
```

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

```
.background{ background-color: rgb(255,  
147, 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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