

Converting Colors

XYZ(93.5194, 63.7477, 12.8763)

Have a look what the booklet for
XYZ(93.5194, 63.7477, 12.8763)
contains.

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Color

**XYZ(52.8733, 42.8572,
10.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9444
RGB	255, 148, 68
RGB Percent	100%, 58%, 27%
CMY	0.0000, 0.4196, 0.7333
CMYK	0.00, 0.42, 0.73, 0.00
HSL	26°, 100%, 63%
HSV	26°, 73%, 100%
XYZ	52.8733, 42.8572, 10.9544
YIQ	170.8730, 89.4520, -2.1960

Conversions

Conversions Part 2

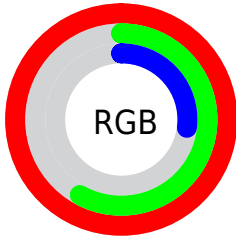
Format	Color
R_{YB}	255, 208, 68
Decimal	16749636
CIE _{Lab}	71.46, 34.24, 57.77
CIE _{LCh}	71, 67.156, 59.344
Yxy	42.8572, 0.4956, 0.4017
Android (android.graphics.Color)	4294939716 (0xFFFF9444)
YUV	170.8730, -50.7164, 73.7794
Hunter-Lab	65.4654, 29.6015, 35.9047

Details

The XYZ color **52.8733, 42.8572, 10.9544** 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 **35.7628, 39.1066, 100.2705**, and the grayscale version is **38.8613, 40.8851, 44.5239**.

A 20% lighter version of the original color is **65.9861, 65.3279, 26.9010**, and **25.9815, 19.5964, 2.7297** is the 20% darker color. If you saturate the color by 10%, you get **50.1115, 38.3203, 6.9933**, and if you desaturate by 10%, it is **56.2637, 48.1108, 16.7939**.

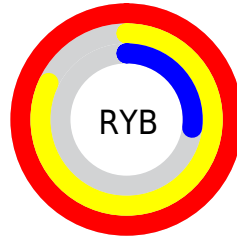
Distribution



Red (100%)

Green (58%)

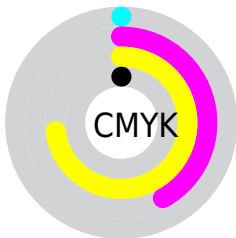
Blue (27%)



Red (100%)

Yellow (82%)

Blue (27%)

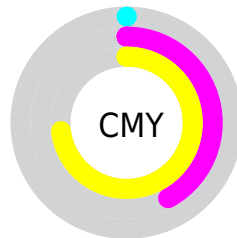


Cyan (0%)

Magenta (42%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8733, 42.8572, 10.9544 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 52.8733, 42.8572, 10.9544 by changing the saturation by 10% instead.


 52.8733, 42.8572,
10.9544


 52.8733, 42.8572,
10.9544


388.0677,
358.0242, 208.0806


 37.9287, 29.7731,
5.9224

 93.5845, 79.4953,
28.2112


 26.1043, 19.6664,
2.7299


 120.0819,
103.8181, 41.2730


 17.0348, 12.1528,
0.9584


 151.1609,
132.6560, 57.8486

 10.3548, 6.8478,
0.0000

 187.1868,
166.3932, 78.3563

 5.6989, 3.3671,
0.0000

 228.5251,
205.4142, 103.2149

 2.7018, 1.3263,
0.0000

275.5411,

 0.9981, 0.1614,

250.1035, 132.8428

0.0000

328.6002,
300.8453, 167.6585

■ 0.0000, 0.0000,
0.0000

■ 52.8733, 42.8572,
10.9544

■ 52.8733, 42.8572,
10.9544

■ 50.1115, 38.3203,
6.9933

■ 56.2637, 48.1108,
16.7939

■ 47.9172, 34.4530,
4.6550

■ 60.3288, 54.1103,
24.7182

■ 46.7190, 32.2184,
3.7564

■ 65.1131, 60.8905,
34.9085

■ 70.6555, 68.4820,
47.5257

■ 76.9921, 76.9132,
62.7157

84.1564, 86.2111,
80.6129

92.1798, 96.4012,
101.3422

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.



62.8104, 42.8572, 22.2940



52.8733, 42.8572, 10.9544



40.9842, 42.8572, 7.9632

Triad

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



52.8733, 42.8572, 10.9544



22.6135, 42.8572, 45.9540



52.3613, 42.8572, 124.8408

Complementary

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



52.8733, 42.8572, 10.9544



35.7628, 39.1066, 100.2705

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.



40.4858, 42.8572, 140.8919



52.8733, 42.8572, 10.9544



24.5522, 42.8572, 84.3710

Square

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



52.8733, 42.8572, 10.9544



24.7304, 42.8572, 21.5469



30.6122, 42.8572, 123.4702



62.4784, 42.8572, 86.2192

Rectangle

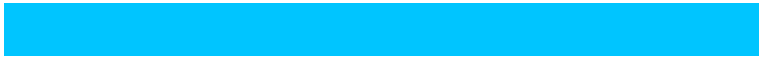
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.8733, 42.8572, 10.9544



33.9406, 42.8572, 9.0945



30.6122, 42.8572, 123.4702



48.3794, 42.8572, 133.6747

Sweetspot

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



52.8743, 42.8595, 10.9552



77.8987, 78.1019, 64.9414



51.2512, 28.5721, 44.4526



16.2821, 16.2029, 12.9415



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.



52.8743, 42.8595, 10.9552



49.0209, 36.4345, 5.7177



73.2716, 83.6542, 17.7543



18.6484, 19.2649, 18.8800



24.5529, 17.1170, 2.0098



2.4964, 1.8782, 0.2309

Inverse Universe

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



35.7628, 39.1066, 100.2705



30.9999, 32.2987, 99.2081



23.5722, 14.7255, 96.2070



17.8659, 19.1034, 22.9956



14.9456, 14.8008, 51.5037



1.5637, 1.6580, 5.0509

Previews

White Background



This preview shows how the XYZ color 52.8733, 42.8572, 10.9544 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 52.8733, 42.8572, 10.9544 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 52.8733, 42.8572, 10.9544

Background



This preview shows how black text looks on a background with the XYZ color 52.8733, 42.8572, 10.9544.



This preview shows how white text looks on a background with the XYZ color 52.8733, 42.8572,

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

52.8733, 42.8572, 10.9544

Protanopia

39.3355, 43.1746, 13.0978

Deuteranopia

43.9293, 43.0564, 10.6980



Tritanopia

56.4989, 42.8404, 34.5694

Trichromacy



Original Color

52.8733, 42.8572, 10.9544

Protanomaly

43.4541, 42.5052, 12.2174

Deuteranomaly

46.8037, 42.6791, 10.7721

Tritanomaly

54.6644, 42.5870, 23.4281

Monochromacy



Original Color

52.8733, 42.8572, 10.9544

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.7574, 40.4722, 28.1653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8733, 42.8572, 10.9544 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, 148, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 148, 68)  
}
```

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, 148, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 148, 68) }
```

Border

The CSS property to change the border of an element to XYZ 52.8733, 42.8572, 10.9544 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, 148, 68) }
```


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

```
.border{ border-color:rgb(255, 148, 68) }
```

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

Here you see how a box with a 4 pixel rgb(255, 148, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 148, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 148, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 148,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8733, 42.8572, 10.9544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 148, 68) }
```

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

```
.background{ background-color: rgb(255,  
148, 68) }
```

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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