

Converting Colors

XYZ(53.4672, 45.1819, 18.2149)

Have a look what the booklet for
XYZ(53.4672, 45.1819, 18.2149)
contains.

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Color

**XYZ(53.4729, 45.1933,
18.2168)**

Conversions

Conversions Part 1

Format	Color
Hex	F99D65
RGB	249, 157, 101
RGB Percent	98%, 62%, 40%
CMY	0.0235, 0.3843, 0.6039
CMYK	0.00, 0.37, 0.59, 0.02
HSL	23°, 92%, 69%
HSV	23°, 59%, 98%
XYZ	53.4729, 45.1933, 18.2168
YIQ	178.1240, 72.8080, 2.0880

Conversions

Conversions Part 2

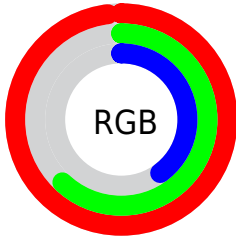
Format	Color
R _Y B	249, 191, 101
Decimal	16358757
CIE Lab	73.02, 29.06, 43.28
CIE LCh	73, 52.129, 56.117
Yxy	45.1933, 0.4575, 0.3867
Android (android.graphics.Color)	4294548837 (0xFFFF99D65)
YUV	178.1240, -38.0221, 62.1583
Hunter-Lab	67.2260, 24.3371, 30.9918

Details

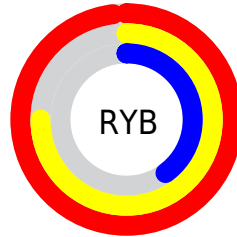
The XYZ color **53.4729, 45.1933, 18.2168** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.5346, 47.7438, 96.6485**, and the grayscale version is **42.5517, 44.7677, 48.7520**.

A 20% lighter version of the original color is **70.5333, 70.6469, 40.0557**, and **26.4104, 21.0425, 5.9184** is the 20% darker color. If you saturate the color by 10%, you get **49.9780, 39.8692, 11.9175**, and if you desaturate by 10%, it is **57.6712, 51.3332, 26.5742**.

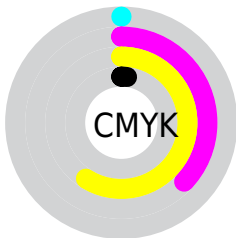
Distribution



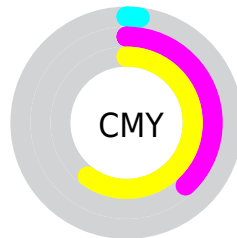
- Red (98%)
- Green (62%)
- Blue (40%)



- Red (98%)
- Yellow (75%)
- Blue (40%)



- Cyan (0%)
- Magenta (37%)
- Yellow (59%)
- Black (2%)





- Cyan (2%)
- Magenta (38%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4729, 45.1933, 18.2168 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 53.4729, 45.1933, 18.2168 by changing the saturation by 10% instead.


 53.4729, 45.1933,
18.2168


 53.4729, 45.1933,
18.2168


390.3280,
367.5559, 254.3672


 38.4094, 31.6097,
10.9347


 94.4613, 83.0104,
41.2253

 26.4792, 21.0636,
5.9093


 121.1169,
108.0127, 57.7888

 17.3171, 13.1705,
2.7221


 152.3673,
137.5900, 78.2832

 10.5575, 7.5460,
0.9545

 188.5778,
172.1268, 103.1270

 5.8352, 3.8059,
0.0000

230.1138,
212.0073, 132.7388

 2.7849, 1.5656,
0.0000

277.3406,

 1.0410, 0.3342,

257.6161, 167.5370

0.0000

330.6235,
309.3375, 207.9403

■ 0.0000, 0.0000,
0.0000

■ 53.4729, 45.1933,
18.2168

■ 53.4729, 45.1933,
18.2168

■ 49.9780, 39.8692,
11.9175

■ 57.6712, 51.3332,
26.5742

■ 47.1363, 35.3156,
7.4876

■ 62.6116, 58.3177,
37.1503

■ 44.8948, 31.4919,
4.7074

■ 68.3335, 66.1820,
50.0926

■ 43.1755, 28.3448,
3.2358

■ 74.8723, 74.9574,
65.5350

■ 43.0896, 28.1853,
3.1692

■ 82.2610, 84.6734,
83.6015

90.5307, 95.3581,
104.4075

92.8768, 98.8796,
108.7983

Harmonies

Analogous

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



60.6700, 45.1933, 30.2716



53.4729, 45.1933, 18.2168



44.1513, 45.1933, 14.2203

Triad

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



53.4729, 45.1933, 18.2168



27.7485, 45.1933, 45.8902



51.1318, 45.1933, 109.3525

Complementary

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



53.4729, 45.1933, 18.2168



41.5346, 47.7438, 96.6485

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.



41.7803, 45.1933, 118.0979



53.4729, 45.1933, 18.2168



29.0749, 45.1933, 74.7441

Square

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



53.4729, 45.1933, 18.2168



29.9984, 45.1933, 26.2142



33.9153, 45.1933, 103.6721



59.1898, 45.1933, 82.7869

Rectangle

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



53.4729, 45.1933, 18.2168



38.2758, 45.1933, 15.0469



33.9153, 45.1933, 103.6721



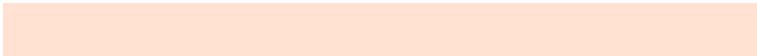
48.0005, 45.1933, 114.8027

Sweetspot

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



53.4740, 45.1956, 18.2176



80.0852, 80.5168, 71.7069



53.5409, 33.3755, 55.0922



16.6837, 16.6258, 14.2473



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.



53.4740, 45.1956, 18.2176



52.2164, 41.2377, 11.6773



69.5089, 77.2655, 23.5626



17.7829, 18.3016, 18.0577



23.1912, 15.3390, 1.7384



2.2464, 1.6176, 0.1938

Inverse Universe

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



41.5346, 47.7438, 96.6485



38.5319, 43.9973, 101.0692



29.2711, 23.2167, 92.5607



17.1818, 18.4404, 22.0391



15.5482, 16.4519, 50.3296



1.5421, 1.7279, 4.6954

Previews

White Background



This preview shows how the XYZ color 53.4729, 45.1933, 18.2168 looks on a white background.

Color Contrast Check

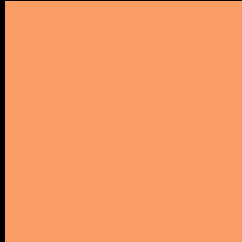
Large Text (above 18pt) WCAG AA × Fail

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 53.4729, 45.1933, 18.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

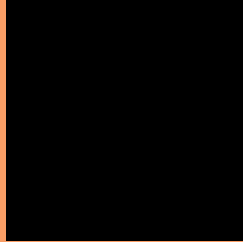
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.4729, 45.1933, 18.2168

Background



This preview shows how black text looks on a background with the XYZ color 53.4729, 45.1933, 18.2168.



This preview shows how white text looks on a background with the XYZ color 53.4729, 45.1933,

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

53.4729, 45.1933, 18.2168

Protanopia

41.8465, 45.4824, 21.0414

Deuteranopia

46.2827, 45.2233, 17.8449



Tritanopia

57.8474, 45.2685, 39.4070

Trichromacy



Original Color

53.4729, 45.1933, 18.2168

Protanomaly

45.3784, 44.9927, 19.9284

Deuteranomaly

48.8433, 45.1622, 17.9472

Tritanomaly

56.1963, 45.3420, 30.2161

Monochromacy



Original Color

53.4729, 45.1933, 18.2168

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.7816, 43.7888, 34.9460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4729, 45.1933, 18.2168 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(249, 157, 101)` looks like.

```
.text, #text, p{  
    color:rgb(249, 157, 101)  
}
```

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(249, 157, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 157, 101) }
```

Border

The CSS property to change the border of an element to XYZ 53.4729, 45.1933, 18.2168 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(249, 157, 101) }
```


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

```
.border{ border-color:rgb(249, 157, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 157, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 157, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 157, 101);  
box-shadow:4px 4px 4px 4px rgb(249, 157,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4729, 45.1933, 18.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 157, 101) }
```

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

```
.background{ background-color: rgb(249,  
157, 101) }
```

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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