

# Converting Colors

XYZ(58.1724, 51.4911, 20.0548)

Have a look what the booklet for  
XYZ(58.1724, 51.4911, 20.0548)  
contains.

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# Color

**XYZ(58.1243, 51.5754,  
19.9883)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEAC68
RGB	254, 172, 104
RGB Percent	100%, 67%, 41%
CMY	0.0039, 0.3255, 0.5921
CMYK	0.00, 0.32, 0.59, 0.00
HSL	27°, 99%, 70%
HSV	27°, 59%, 100%
XYZ	58.1243, 51.5754, 19.9883
YIQ	188.7660, 70.7000, -3.7640

# Conversions

## Conversions Part 2

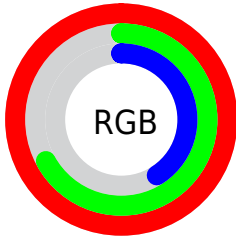
Format	Color
<a href="#">RYB</a>	<a href="#">254, 228, 104</a>
Decimal	<a href="#">16690280</a>
<a href="#">CIELab</a>	<a href="#">77.03, 23.43, 46.72</a>
<a href="#">CIElCh</a>	<a href="#">77, 52.267, 63.372</a>
<a href="#">Yxy</a>	<a href="#">51.5754, 0.4482, 0.3977</a>
Android (android.graphics.Color)	<a href="#">4294880360</a> (0xFFFEAC68)
<a href="#">YUV</a>	<a href="#">188.7660, -41.7896, 57.2102</a>
<a href="#">Hunter-Lab</a>	<a href="#">71.8160, 18.7910, 33.7692</a>

# Details

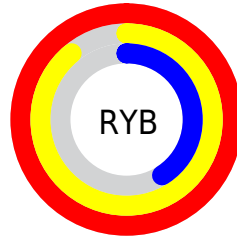
The XYZ color **58.1243, 51.5754, 19.9883** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.1562, 45.2144, 100.3236**, and the grayscale version is **48.4402, 50.9629, 55.4986**.

A 20% lighter version of the original color is **75.0692, 79.1811, 43.2252**, and **29.2550, 24.7974, 6.7345** is the 20% darker color. If you saturate the color by 10%, you get **54.5175, 46.1251, 13.3511**, and if you desaturate by 10%, it is **62.3981, 57.7385, 28.7652**.

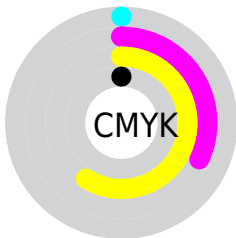
# Distribution



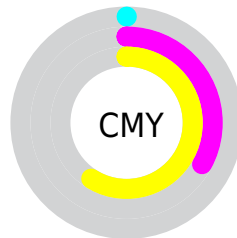
- Red (100%)
- Green (67%)
- Blue (41%)



- Red (100%)
- Yellow (89%)
- Blue (41%)



- Cyan (0%)
- Magenta (32%)
- Yellow (59%)
- Black (0%)



- Cyan (0%)
- Magenta (33%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1243, 51.5754, 19.9883 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 58.1243, 51.5754, 19.9883 by changing the saturation by 10% instead.





 58.1243, 51.5754,  
19.9883

 58.1243, 51.5754,  
19.9883


407.5953,  
392.7952, 264.4539


 42.1522, 36.6667,  
12.2025


 101.2258, 92.5047,  
44.2563


 29.4121, 24.9496,  
6.7576


 129.0859,  
119.2942, 61.5756

 19.5387, 16.0395,  
3.2348


 161.6394,  
150.8128, 82.9098

 12.1665, 9.5521,  
1.2157

 199.2517,  
187.4448, 108.6775

 6.9302, 5.1030,  
0.0000

242.2880,  
229.5746, 139.2973

 3.4644, 2.3078,  
0.0000

291.1139,

 1.4038, 0.7778,

277.5867, 175.1875

0.0000

346.0945,  
331.8654, 216.7669

■ 0.2590, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1243, 51.5754,  
19.9883

■ 58.1243, 51.5754,  
19.9883

■ 54.5175, 46.1251,  
13.3511

■ 62.3981, 57.7385,  
28.7652

■ 51.5295, 41.3485,  
8.6578

■ 67.3750, 64.6353,  
39.8481

■ 49.1099, 37.2133,  
5.6808

■ 73.0922, 72.2954,  
53.3900

■ 47.1857, 33.6754,  
4.0820

■ 79.5833, 80.7439,  
69.5300

47.0215, 33.3680,  
3.9624

86.8792, 90.0049,  
88.3964

94.6829, 99.8107,  
108.8828

# Harmonies

## Analogous

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



66.8355, 51.5754, 31.0479



58.1243, 51.5754, 19.9883



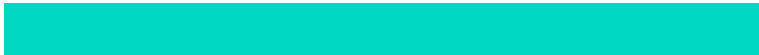
47.9020, 51.5754, 17.2473

# Triad

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



58.1243, 51.5754, 19.9883



32.2667, 51.5754, 59.4481



60.3395, 51.5754, 115.6136

# Complementary

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



58.1243, 51.5754, 19.9883



41.1562, 45.2144, 100.3236

# 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.



50.1570, 51.5754, 130.7232



58.1243, 51.5754, 19.9883



34.6916, 51.5754, 92.0922

# Square

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



58.1243, 51.5754, 19.9883



33.8039, 51.5754, 34.9697



40.9213, 51.5754, 120.9183



68.2314, 51.5754, 84.5317



# Rectangle

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



58.1243, 51.5754, 19.9883



41.8029, 51.5754, 19.3334



40.9213, 51.5754, 120.9183



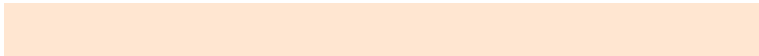
57.0253, 51.5754, 123.1301

# Sweetspot

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



58.1255, 51.5780, 19.9893



81.0327, 82.4119, 72.0227



54.7397, 34.5383, 50.5154



16.9134, 17.0853, 14.3238



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.



58.1255, 51.5780, 19.9893



54.3684, 45.5419, 12.3947



76.4796, 88.2861, 26.1073



18.6877, 19.3435, 18.8931



24.9334, 17.8780, 2.1367



2.5351, 1.9556, 0.2439



# Inverse Universe

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



41.1562, 45.2144, 100.3236



35.7978, 38.5290, 100.1578



29.3379, 21.5777, 96.3841



17.8260, 19.0236, 22.9823



14.4366, 13.7827, 51.3340



1.5149, 1.5604, 5.0346



# Previews

## White Background



This preview shows how the XYZ color 58.1243, 51.5754, 19.9883 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 58.1243, 51.5754, 19.9883 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

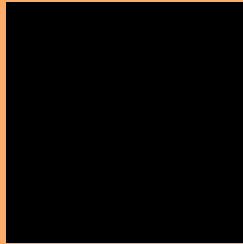
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.1243, 51.5754, 19.9883**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.1243, 51.5754, 19.9883.



This preview shows how white text looks on a background with the XYZ color 58.1243, 51.5754,



# 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

58.1243, 51.5754, 19.9883

### Protanopia

47.7945, 51.9646, 22.5501

### Deuteranopia

52.7305, 51.7388, 19.7778



## Tritanopia

62.8120, 51.7068, 48.2648

# Trichromacy



## Original Color

58.1243, 51.5754, 19.9883

## Protanomaly

50.8986, 51.3712, 21.4204

## Deuteranomaly

54.6442, 51.5208, 19.8964

## Tritanomaly

60.7477, 51.4673, 35.5866

# Monochromacy



## Original Color

58.1243, 51.5754, 19.9883

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

50.5456, 50.4817, 39.4277

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1243, 51.5754, 19.9883 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(254, 172, 104)` looks like.

```
.text, #text, p{  
    color:rgb(254, 172, 104)  
}
```

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(254, 172, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 172, 104) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1243, 51.5754, 19.9883 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(254, 172, 104) }
```



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

```
.border{ border-color:rgb(254, 172, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 172, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 172, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 172, 104);  
box-shadow:4px 4px 4px 4px rgb(254, 172,  
104) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1243, 51.5754, 19.9883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 172, 104) }
```

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

```
.background{ background-color: rgb(254,  
172, 104) }
```

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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