

# Converting Colors

XYZ(92.9332, 70.7378, 23.3785)

Have a look what the booklet for  
XYZ(92.9332, 70.7378, 23.3785)  
contains.

<b>XYZ(59.5798, 53.4365, 21.9259)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(59.5798, 53.4365,  
21.9259)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB06E
RGB	255, 176, 110
RGB Percent	100%, 69%, 43%
CMY	0.0000, 0.3098, 0.5686
CMYK	0.00, 0.31, 0.57, 0.00
HSL	27°, 100%, 72%
HSV	27°, 57%, 100%
XYZ	59.5798, 53.4365, 21.9259
YIQ	192.0970, 68.2700, -3.7780

# Conversions

## Conversions Part 2

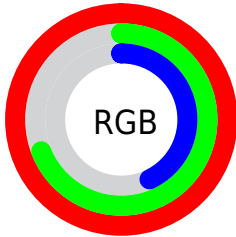
Format	Color
R <sub>Y</sub> B	255, 231, 110
Decimal	16756846
CIE Lab	78.13, 22.17, 45.07
CIE LCh	78, 50.228, 63.804
Yxy	53.4365, 0.4415, 0.3960
Android (android.graphics.Color)	4294946926 (0xFFFFB06E)
YUV	192.0970, -40.4738, 55.1659
Hunter-Lab	73.1003, 17.5595, 33.3866

# Details

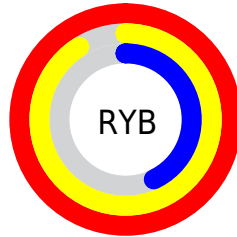
The XYZ color **59.5798, 53.4365, 21.9259** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.6769, 46.9278, 101.4159**, and the grayscale version is **50.3619, 52.9847, 57.7003**.

A 20% lighter version of the original color is **76.7075, 81.6176, 46.3612**, and **30.4042, 26.0943, 7.7092** is the 20% darker color. If you saturate the color by 10%, you get **55.8004, 47.7891, 14.7742**, and if you desaturate by 10%, it is **64.0400, 59.8065, 31.2759**.

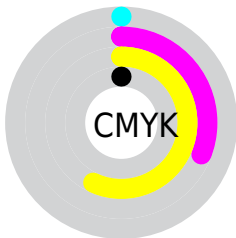
# Distribution



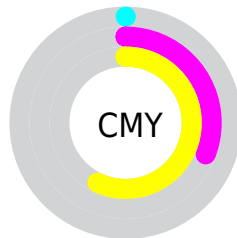
- Red (100%)
- Green (69%)
- Blue (43%)



- Red (100%)
- Yellow (91%)
- Blue (43%)



- Cyan (0%)
- Magenta (31%)
- Yellow (57%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5798, 53.4365, 21.9259 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 59.5798, 53.4365, 21.9259 by changing the saturation by 10% instead.





 59.5798, 53.4365,  
21.9259


 59.5798, 53.4365,  
21.9259


412.9068,  
399.9576, 275.0999


 43.3282, 38.1513,  
13.6047


 103.3297, 95.2464,  
47.5241


 30.3383, 26.1002,  
7.7106


 131.5587,  
122.5399, 65.6382

 20.2449, 16.8986,  
3.8252


 164.5109,  
154.6049, 87.8536

 12.6825, 10.1622,  
1.5300

 202.5516,  
191.8259, 114.5889

 7.2858, 5.5066,  
0.2401

246.0462,  
234.5873, 146.2627

 3.6894, 2.5475,  
0.0000

295.3600,

 1.5279, 0.9003,

283.2735, 183.2934

0.0000

350.8584,  
338.2687, 226.0996

■ 0.3447, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.5798, 53.4365,  
21.9259

■ 59.5798, 53.4365,  
21.9259

■ 55.8004, 47.7891,  
14.7742

■ 64.0400, 59.8065,  
31.2759

■ 52.6542, 42.8256,  
9.6289

■ 69.2162, 66.9196,  
42.9877

■ 50.0923, 38.5144,  
6.2699

■ 75.1454, 74.8050,  
57.2127

■ 48.0530, 34.8163,  
4.4173

■ 81.8608, 83.4876,  
74.0887

47.4944, 33.7691,  
4.0149

89.3931, 92.9913,  
93.7432

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



68.1310, 53.4365, 33.0067



59.5798, 53.4365, 21.9259



49.5487, 53.4365, 19.2134

# Triad

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



59.5798, 53.4365, 21.9259



34.1980, 53.4365, 61.8412



62.0233, 53.4365, 115.6044

# Complementary

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



59.5798, 53.4365, 21.9259



42.6769, 46.9278, 101.4159

# 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.



52.0515, 53.4365, 130.4428



59.5798, 53.4365, 21.9259



36.6732, 53.4365, 93.7094

# Square

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



59.5798, 53.4365, 21.9259



35.6752, 53.4365, 37.4459



42.9099, 53.4365, 121.3615



69.6644, 53.4365, 85.4366



# Rectangle

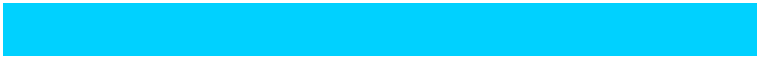
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.5798, 53.4365, 21.9259



43.5508, 53.4365, 21.4324



42.9099, 53.4365, 121.3615



58.7895, 53.4365, 122.9242

# Sweetspot

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



59.5811, 53.4392, 21.9269



81.7630, 83.3626, 73.8373



56.0829, 36.1190, 52.5881



17.1985, 17.4562, 15.0333



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.



59.5811, 53.4392, 21.9269



55.4115, 47.1904, 14.0912



77.5448, 89.3666, 27.9148



18.6905, 19.3492, 18.8940



24.9618, 17.9349, 2.1462

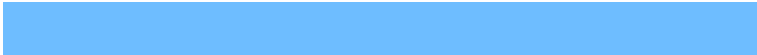


2.5380, 1.9613, 0.2448



# Inverse Universe

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



42.6769, 46.9278, 101.4159



37.0332, 40.0723, 100.3906



30.8712, 23.3164, 97.4807



17.8231, 19.0178, 22.9814



14.4010, 13.7115, 51.3222



1.5114, 1.5536, 5.0335



# Previews

## White Background



This preview shows how the XYZ color 59.5798, 53.4365, 21.9259 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

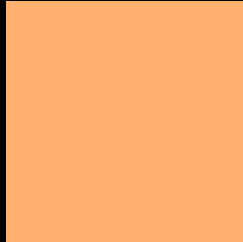
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.5798, 53.4365, 21.9259 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

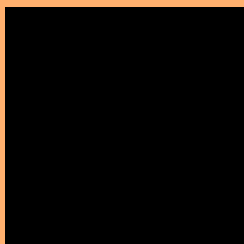
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.5798, 53.4365, 21.9259**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.5798, 53.4365, 21.9259.



This preview shows how white text looks on a background with the XYZ color 59.5798, 53.4365,

21.9259.

# 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

59.5798, 53.4365, 21.9259

### Protanopia

49.5955, 53.8416, 24.3015

### Deuteranopia

54.6478, 53.6135, 21.6555



## Tritanopia

63.9552, 53.3456, 50.6420

# Trichromacy



## Original Color

59.5798, 53.4365, 21.9259

## Protanomaly

52.8025, 53.2495, 23.4148

## Deuteranomaly

56.4504, 53.6147, 21.8414

## Tritanomaly

61.9089, 53.1316, 38.0028

# Monochromacy



## Original Color

59.5798, 53.4365, 21.9259

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

52.1048, 52.1735, 41.5067

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.5798, 53.4365, 21.9259 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, 176, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 110)  
}
```

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, 176, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 59.5798, 53.4365, 21.9259 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, 176, 110) }
```



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

```
.border{ border-color:rgb(255, 176, 110) }
```

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

Here you see how a box with a 4 pixel rgb(255, 176, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.5798, 53.4365, 21.9259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 110) }
```

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

```
.background{ background-color: rgb(255,  
176, 110) }
```

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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