

Converting Colors

XYZ(80.5320, 59.7868, 37.8228)

Have a look what the booklet for
XYZ(80.5320, 59.7868, 37.8228)
contains.

XYZ(59.8176, 49.0828, 36.8931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.8176, 49.0828,
36.8931)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA19A
RGB	255, 161, 154
RGB Percent	100%, 63%, 60%
CMY	0.0000, 0.3686, 0.3961
CMYK	0.00, 0.37, 0.40, 0.00
HSL	4°, 100%, 80%
HSV	4°, 40%, 100%
XYZ	59.8176, 49.0828, 36.8931
YIQ	188.3080, 58.2710, 17.7510

Conversions

Conversions Part 2

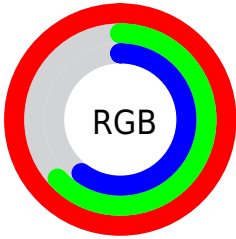
Format	Color
R _Y B	255, 162, 154
Decimal	16753050
CIE Lab	75.50, 34.07, 18.33
CIE LCh	76, 38.693, 28.281
Yxy	49.0828, 0.4103, 0.3367
Android (android.graphics.Color)	4294943130 (0xFFFFA19A)
YUV	188.3080, -16.9138, 58.4889
Hunter-Lab	70.0591, 29.8027, 17.8193

Details

The XYZ color **59.8176, 49.0828, 36.8931** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.9424, 81.2216, 106.8622**, and the grayscale version is **48.0462, 50.5484, 55.0472**.

A 20% lighter version of the original color is **77.4380, 75.4398, 70.1544**, and **30.5757, 23.4402, 15.7449** is the 20% darker color. If you saturate the color by 10%, you get **54.1542, 40.8015, 25.6168**, and if you desaturate by 10%, it is **66.7217, 59.1234, 50.8095**.

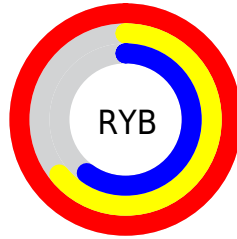
Distribution



Red (100%)

Green (63%)

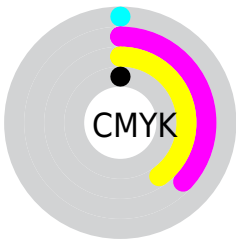
Blue (60%)



Red (100%)

Yellow (64%)

Blue (60%)

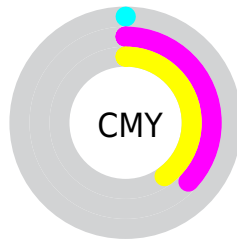


Cyan (0%)

Magenta (37%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.8176, 49.0828, 36.8931 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 59.8176, 49.0828, 36.8931 by changing the saturation by 10% instead.


 59.8176, 49.0828,
36.8931


 59.8176, 49.0828,
36.8931


413.7706,
383.0682, 348.0022

 43.5205, 34.6852,
24.8296


 103.6729, 88.8144,
71.5928

 30.4900, 23.4205,
15.7323


 131.9618,
114.9172, 95.0661

 20.3608, 14.9043,
9.1826

164.9787,
145.6905, 123.1798

 12.7673, 8.7522,
4.7620

203.0890,
181.5186, 156.3523

 7.3444, 4.5799,
2.0520

246.6579,
222.7861, 195.0023

 3.7267, 2.0030,
0.5870

296.0510,

 1.5487, 0.6092,

269.8773, 239.5483

0.0000

351.6334,
323.1765, 290.4087

■ 0.3586, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8176, 49.0828,
36.8931

■ 59.8176, 49.0828,
36.8931

■ 54.1542, 40.8015,
25.6168

■ 66.7217, 59.1234,
50.8095

■ 49.6542, 34.1713,
16.8110

■ 74.9301, 71.0088,
67.5153

■ 46.2377, 29.0837,
10.2911

■ 84.5065, 84.8276,
87.1520

■ 43.8128, 25.4139,
5.8452

95.0500, 100.0000,
108.9000

■ 42.2725, 23.0177,
3.2218

■ 41.4719, 21.7151,
2.0344

■ 41.4512, 21.6825,
2.0004

Harmonies

Analogous

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



61.7654, 49.0828, 54.6309



59.8176, 49.0828, 36.8931



54.2491, 49.0828, 26.4870

Triad

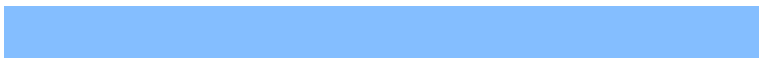
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



59.8176, 49.0828, 36.8931



35.9199, 49.0828, 35.3205



46.2411, 49.0828, 103.1700

Complementary

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



59.8176, 49.0828, 36.8931



64.9424, 81.2216, 106.8622

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.



39.7990, 49.0828, 94.3554



59.8176, 49.0828, 36.8931



34.2296, 49.0828, 52.2721

Square

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



59.8176, 49.0828, 36.8931



40.4441, 49.0828, 25.7552



35.5751, 49.0828, 74.3225



53.4641, 49.0828, 96.0887

Rectangle

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



59.8176, 49.0828, 36.8931



49.4963, 49.0828, 23.4465



35.5751, 49.0828, 74.3225



43.9182, 49.0828, 101.9317

Sweetspot

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



59.8189, 49.0852, 36.8940



82.0875, 81.3408, 82.1796



69.7805, 51.1655, 95.2221



17.2947, 17.0132, 17.0245



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.



59.8189, 49.0852, 36.8940



54.9842, 42.0187, 27.2581



70.4252, 70.2980, 40.4295



18.1105, 18.1892, 18.7007



21.6961, 11.4035, 1.0576



2.1461, 1.1776, 0.1142

Inverse Universe

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



64.9424, 81.2216, 106.8622



60.7710, 78.3964, 106.5368



51.5176, 54.3721, 102.3873



18.4407, 20.2529, 23.1872



25.3489, 35.6073, 54.9715



2.4992, 3.5291, 5.3627

Previews

White Background



This preview shows how the XYZ color 59.8176, 49.0828, 36.8931 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 59.8176, 49.0828, 36.8931 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 59.8176, 49.0828, 36.8931

Background



This preview shows how black text looks on a background with the XYZ color 59.8176, 49.0828, 36.8931.



This preview shows how white text looks on a background with the XYZ color 59.8176, 49.0828,

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

59.8176, 49.0828, 36.8931

Protanopia

46.6900, 49.3403, 43.1392

Deuteranopia

50.3213, 49.2263, 36.1276



Tritanopia

60.9888, 48.9965, 44.7709

Trichromacy



Original Color

59.8176, 49.0828, 36.8931



Protanomaly

50.5626, 48.6518, 40.9082



Deuteranomaly

53.3750, 48.7610, 36.3044



Tritanomaly

60.6023, 49.1182, 41.8840

Monochromacy



Original Color

59.8176, 49.0828, 36.8931



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

50.9082, 48.9724, 47.8438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8176, 49.0828, 36.8931 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, 161, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 154)  
}
```

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, 161, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 154) }
```

Border

The CSS property to change the border of an element to XYZ 59.8176, 49.0828, 36.8931 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, 161, 154) }
```


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

```
.border{ border-color:rgb(255, 161, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8176, 49.0828, 36.8931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 154) }
```

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

```
.background{ background-color: rgb(255,  
161, 154) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor