

Converting Colors

XYZ(107.1960, 75.8102,
29.2583)

Have a look what the booklet for
XYZ(107.1960, 75.8102, 29.2583)
contains.

XYZ(59.3242, 51.1944, 27.1769)	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(59.3242, 51.1944,
27.1769)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA980
RGB	255, 169, 128
RGB Percent	100%, 66%, 50%
CMY	0.0000, 0.3372, 0.4980
CMYK	0.00, 0.34, 0.50, 0.00
HSL	19°, 100%, 75%
HSV	19°, 50%, 100%
XYZ	59.3242, 51.1944, 27.1769
YIQ	190.0400, 64.4170, 5.4810

Conversions

Conversions Part 2

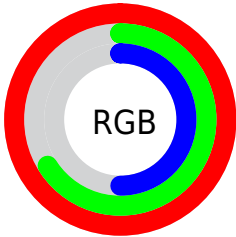
Format	Color
RYB	255, 189, 128
Decimal	16755072
CIELab	76.80, 27.32, 34.07
CIELCh	77, 43.668, 51.278
Yxy	51.1944, 0.4308, 0.3718
Android (android.graphics.Color)	4294945152 (0xFFFFA980)
YUV	190.0400, -30.5857, 56.9699
Hunter-Lab	71.5503, 22.7861, 27.5651

Details

The XYZ color **59.3242, 51.1944, 27.1769** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.9974, 59.8996, 103.4813**, and the grayscale version is **49.1124, 51.6701, 56.2687**.

A 20% lighter version of the original color is **76.5057, 78.4466, 54.8255**, and **30.1262, 24.6429, 10.3765** is the 20% darker color. If you saturate the color by 10%, you get **54.8492, 44.6015, 18.4193**, and if you desaturate by 10%, it is **64.6477, 58.8095, 38.2988**.

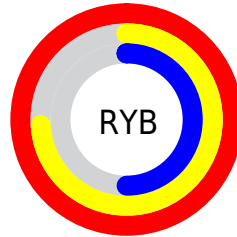
Distribution



Red (100%)

Green (66%)

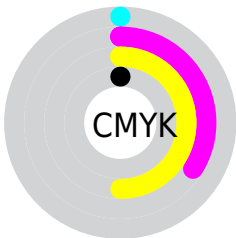
Blue (50%)



Red (100%)

Yellow (74%)

Blue (50%)

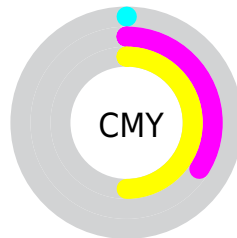


Cyan (0%)

Magenta (34%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3242, 51.1944, 27.1769 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 59.3242, 51.1944, 27.1769 by changing the saturation by 10% instead.


 59.3242, 51.1944,
27.1769


 59.3242, 51.1944,
27.1769


411.9771,
391.3186, 302.2998


 43.1215, 36.3633,
17.4725


 102.9606, 91.9421,
56.1748

 30.1754, 24.7149,
10.4064


 131.1251,
118.6275, 76.3054

 20.1205, 15.8648,
5.5602


 164.0076,
150.0331, 100.7484

 12.5914, 9.4285,
2.5151

201.9734,
186.5434, 129.9225

 7.2229, 5.0217,
0.8481

245.3879,
228.5426, 164.2462

 3.6494, 2.2600,
0.0000

294.6164,

 1.5058, 0.7524,

276.4153, 204.1379

0.0000

350.0244,
330.5459, 250.0163

■ 0.3298, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3242, 51.1944,
27.1769

■ 59.3242, 51.1944,
27.1769

■ 54.8492, 44.6015,
18.4193

■ 64.6477, 58.8095,
38.2988

■ 51.1702, 38.9772,
11.8479

■ 70.8603, 67.4820,
51.9393

■ 48.2340, 34.2743,
7.2637

■ 78.0045, 77.2544,
68.2430

■ 45.9778, 30.4375,
4.4291

■ 86.1187, 88.1647,
87.3426

■ 44.3110, 27.3978,
2.9673

95.0498, 99.9999,
108.9000

■ 44.2824, 27.3450,
2.9442

Harmonies

Analogous

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



65.0712, 51.1944, 40.7649



59.3242, 51.1944, 27.1769



51.1156, 51.1944, 21.7041

Triad

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



59.3242, 51.1944, 27.1769



34.5449, 51.1944, 49.1036



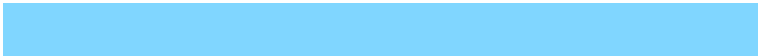
54.6744, 51.1944, 110.0065

Complementary

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



59.3242, 51.1944, 27.1769



50.9974, 59.8996, 103.4813

Split Complementary

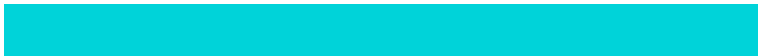
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.2819, 51.1944, 114.1218



59.3242, 51.1944, 27.1769



35.2678, 51.1944, 74.0002

Square

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



59.3242, 51.1944, 27.1769



37.2539, 51.1944, 31.7883



39.3549, 51.1944, 99.4728



62.1818, 51.1944, 89.4448

Rectangle

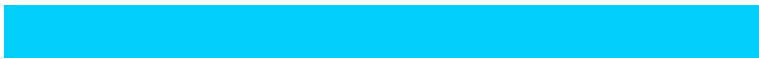
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.3242, 51.1944, 27.1769



45.6079, 51.1944, 21.8932



39.3549, 51.1944, 99.4728



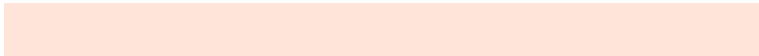
51.8426, 51.1944, 113.5526

Sweetspot

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



59.3255, 51.1969, 27.1779



81.7789, 82.3508, 77.0604



61.1972, 41.5939, 68.9472



17.1436, 17.1407, 15.6486



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.



59.3255, 51.1969, 27.1779



54.7695, 44.4817, 18.2695



73.9131, 80.3723, 32.0404



18.4882, 18.9445, 18.8266



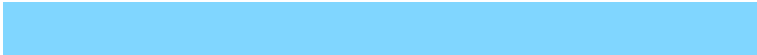
23.2579, 14.5270, 1.5782



2.3587, 1.6028, 0.1851

Inverse Universe

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



50.9974, 59.8996, 103.4813



45.5044, 53.9947, 102.6314



38.0647, 34.0343, 99.1704



18.0314, 19.4345, 23.0508



17.3477, 19.6049, 52.3044



1.7883, 2.1072, 5.1258

Previews

White Background



This preview shows how the XYZ color 59.3242, 51.1944, 27.1769 looks on a white background.

Color Contrast Check

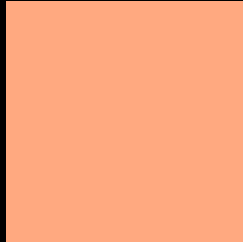
Large Text (above 18pt) WCAG AA × Fail

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 59.3242, 51.1944, 27.1769 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 59.3242, 51.1944, 27.1769

Background



This preview shows how black text looks on a background with the XYZ color 59.3242, 51.1944, 27.1769.



This preview shows how white text looks on a background with the XYZ color 59.3242, 51.1944,

27.1769.

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

59.3242, 51.1944, 27.1769

Protanopia

47.8307, 51.4704, 31.0808

Deuteranopia

52.4888, 51.4562, 26.9043



Tritanopia

62.5316, 51.3049, 47.6813

Trichromacy



Original Color

59.3242, 51.1944, 27.1769

Protanomaly

51.4625, 50.8651, 29.6598

Deuteranomaly

54.8128, 51.1537, 27.0634

Tritanomaly

61.1342, 51.0356, 39.4296

Monochromacy



Original Color

59.3242, 51.1944, 27.1769

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.4346, 50.5421, 43.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3242, 51.1944, 27.1769 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, 169, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 128)  
}
```

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, 169, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 128) }
```

Border

The CSS property to change the border of an element to XYZ 59.3242, 51.1944, 27.1769 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, 169, 128) }
```


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

```
.border{ border-color:rgb(255, 169, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3242, 51.1944, 27.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 128) }
```

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

```
.background{ background-color: rgb(255,  
169, 128) }
```

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