

Converting Colors

XYZ(151.9787, 100.0000,
27.7806)

Have a look what the booklet for
XYZ(151.9787, 100.0000, 27.7806)
contains.

XYZ(59.1449, 52.0260, 23.4477)	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(59.1449, 52.0260,
23.4477)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAC74
RGB	255, 172, 116
RGB Percent	100%, 67%, 45%
CMY	0.0000, 0.3255, 0.5451
CMYK	0.00, 0.33, 0.55, 0.00
HSL	24°, 100%, 73%
HSV	24°, 55%, 100%
XYZ	59.1449, 52.0260, 23.4477
YIQ	190.4330, 67.4440, 0.1800

Conversions

Conversions Part 2

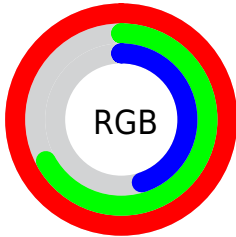
Format	Color
R _Y B	255, 210, 116
Decimal	16755828
CIE Lab	77.30, 24.73, 40.98
CIE LCh	77, 47.861, 58.887
Yxy	52.0260, 0.4394, 0.3865
Android (android.graphics.Color)	4294945908 (0xFFFFAC74)
YUV	190.4330, -36.6955, 56.6253
Hunter-Lab	72.1291, 20.1419, 31.2164

Details

The XYZ color **59.1449, 52.0260, 23.4477** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.6747, 51.7773, 102.1940**, and the grayscale version is **49.3724, 51.9437, 56.5666**.

A 20% lighter version of the original color is **76.1448, 79.6114, 48.8894**, and **30.0859, 25.1891, 8.4305** is the 20% darker color. If you saturate the color by 10%, you get **55.1268, 46.0467, 15.7676**, and if you desaturate by 10%, it is **63.9046, 58.8373, 33.3840**.

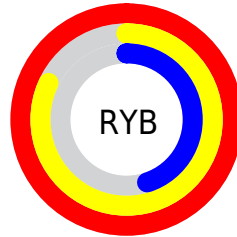
Distribution



Red (100%)

Green (67%)

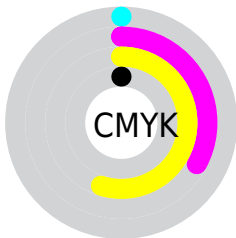
Blue (45%)



Red (100%)

Yellow (82%)

Blue (45%)

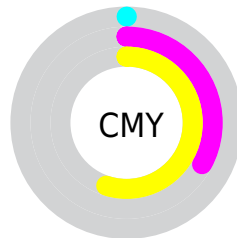


Cyan (0%)

Magenta (33%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1449, 52.0260, 23.4477 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 59.1449, 52.0260, 23.4477 by changing the saturation by 10% instead.


 59.1449, 52.0260,
23.4477

 59.1449, 52.0260,
23.4477


411.3241,
394.5370, 283.2123

 42.9766, 37.0258,
14.7160

 102.7017, 93.1696,
50.0599

 30.0612, 25.2275,
8.4759


 130.8208,
120.0818, 68.7775

 20.0333, 16.2466,
4.3089


 163.6543,
151.7334, 91.6608

 12.5277, 9.6988,
1.7963

201.5675,
188.5088, 119.1284

 7.1789, 5.1997,
0.4255

244.9257,
230.7925, 151.5988

 3.6215, 2.3649,
0.0000

294.0943,

 1.4903, 0.8078,

278.9689, 189.4906

0.0000

349.4386,
333.4222, 233.2222

■ 0.3192, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.1449, 52.0260,
23.4477

■ 59.1449, 52.0260,
23.4477

■ 55.1268, 46.0467,
15.7676

■ 63.9046, 58.8373,
33.3840

■ 51.8011, 40.8557,
10.1570

■ 69.4432, 66.5062,
45.7369

■ 49.1176, 36.4161,
6.4036

■ 75.7993, 75.0667,
60.6553

■ 47.0150, 32.6834,
4.2461

■ 83.0080, 84.5482,
78.2751

■ 46.0647, 30.9097,
3.5383

■ 91.1020, 94.9787,
98.7227

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.



66.5750, 52.0260, 35.5630



59.1449, 52.0260, 23.4477



49.7928, 52.0260, 19.6401

Triad

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



59.1449, 52.0260, 23.4477



33.8138, 52.0260, 55.6713



58.4783, 52.0260, 113.4565

Complementary

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



59.1449, 52.0260, 23.4477



45.6747, 51.7773, 102.1940

Split Complementary

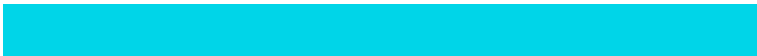
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



49.1071, 52.0260, 123.7340



59.1449, 52.0260, 23.4477



35.5452, 52.0260, 84.7544

Square

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



59.1449, 52.0260, 23.4477



35.8210, 52.0260, 34.3306



40.8755, 52.0260, 111.9036



66.1579, 52.0260, 86.9986

Rectangle

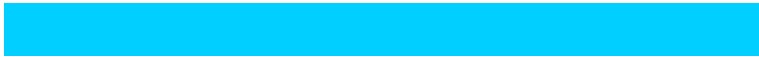
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.1449, 52.0260, 23.4477



43.9512, 52.0260, 21.0098



40.8755, 52.0260, 111.9036



55.3875, 52.0260, 119.2226

Sweetspot

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



59.1462, 52.0286, 23.4487



81.8782, 83.0753, 75.4720



57.8408, 37.8932, 58.5425



17.1982, 17.3536, 15.3476



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.



59.1462, 52.0286, 23.4487



54.9479, 45.7739, 15.4455



75.8771, 85.4906, 29.0257



18.6101, 19.1884, 18.8672



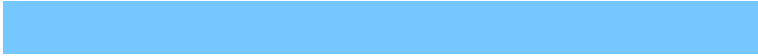
24.2068, 16.4248, 1.8945



2.4606, 1.8066, 0.2190

Inverse Universe

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



45.6747, 51.7773, 102.1940



40.2232, 45.4149, 101.2537



33.2221, 26.8722, 98.0432



17.9050, 19.1816, 23.0087



15.4704, 15.8504, 51.6786



1.6135, 1.7576, 5.0675

Previews

White Background



This preview shows how the XYZ color 59.1449, 52.0260, 23.4477 looks on a white background.

Color Contrast Check

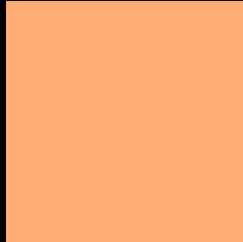
Large Text (above 18pt) WCAG AA × Fail

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 59.1449, 52.0260, 23.4477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

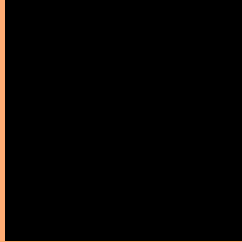
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1449, 52.0260, 23.4477

Background



This preview shows how black text looks on a background with the XYZ color 59.1449, 52.0260, 23.4477.



This preview shows how white text looks on a background with the XYZ color 59.1449, 52.0260,

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

59.1449, 52.0260, 23.4477

Protanopia

48.2184, 52.1016, 26.2541

Deuteranopia

53.2495, 52.2377, 23.1959



Tritanopia

63.0946, 52.1118, 48.8526

Trichromacy



Original Color

59.1449, 52.0260, 23.4477

Protanomaly

51.5820, 51.6446, 25.0190

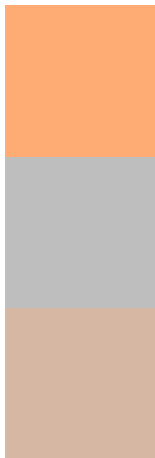
Deuteranomaly

55.1498, 52.0033, 23.3506

Tritanomaly

61.3444, 52.0025, 37.8146

Monochromacy



Original Color

59.1449, 52.0260, 23.4477

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

51.2759, 50.8075, 41.7546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1449, 52.0260, 23.4477 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, 172, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 116)  
}
```

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, 172, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 116) }
```

Border

The CSS property to change the border of an element to XYZ 59.1449, 52.0260, 23.4477 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, 172, 116) }
```


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

```
.border{ border-color:rgb(255, 172, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1449, 52.0260, 23.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 116) }
```

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

```
.background{ background-color: rgb(255,  
172, 116) }
```

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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