

Converting Colors

XYZ(59.2212, 53.3851, 19.7534)

Have a look what the booklet for
XYZ(59.2212, 53.3851, 19.7534)
contains.

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Color

**XYZ(59.1636, 53.2700,
19.7342)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB066
RGB	255, 176, 102
RGB Percent	100%, 69%, 40%
CMY	0.0000, 0.3098, 0.6000
CMYK	0.00, 0.31, 0.60, 0.00
HSL	29°, 100%, 70%
HSV	29°, 60%, 100%
XYZ	59.1636, 53.2700, 19.7342
YIQ	191.1850, 70.8380, -6.2660

Conversions

Conversions Part 2

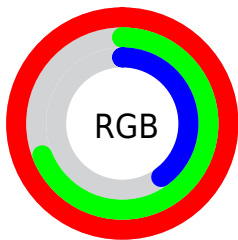
Format	Color
R _Y B	255, 245, 102
Decimal	16756838
CIE Lab	78.03, 21.60, 48.94
CIE LCh	78, 53.497, 66.191
Yxy	53.2700, 0.4476, 0.4030
Android (android.graphics.Color)	4294946918 (0xFFFFB066)
YUV	191.1850, -43.9682, 55.9658
Hunter-Lab	72.9863, 16.9683, 35.0594

Details

The XYZ color **59.1636, 53.2700, 19.7342** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.0523, 43.0903, 100.8135**, and the grayscale version is **49.8483, 52.4443, 57.1118**.

A 20% lighter version of the original color is **76.0130, 81.3398, 42.7042**, and **29.9509, 25.8832, 6.6662** is the 20% darker color. If you saturate the color by 10%, you get **55.6309, 47.9268, 13.2481**, and if you desaturate by 10%, it is **63.3381, 59.2748, 28.3535**.

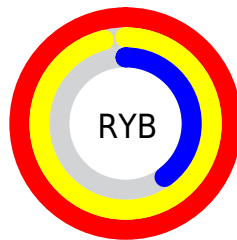
Distribution



Red (100%)

Green (69%)

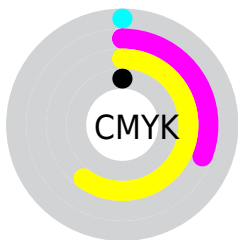
Blue (40%)



Red (100%)

Yellow (96%)

Blue (40%)

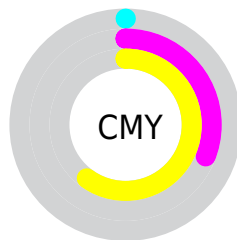


Cyan (0%)

Magenta (31%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1636, 53.2700, 19.7342 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 59.1636, 53.2700, 19.7342 by changing the saturation by 10% instead.


 59.1636, 53.2700,
19.7342

 59.1636, 53.2700,
19.7342


411.3922,
399.3201, 263.0290


 42.9917, 38.0184,
12.0198


 102.7287, 95.0016,
43.8242


 30.0731, 25.9969,
6.6345


 130.8526,
122.2502, 61.0369

 20.0424, 16.8213,
3.1596


 163.6912,
154.2667, 82.2528

 12.5343, 10.1072,
1.1767

 201.6098,
191.4354, 107.8904

 7.1835, 5.4701,
0.0000

244.9739,
234.1407, 138.3683

 3.6244, 2.5256,
0.0000

294.1488,

 1.4919, 0.8894,

282.7670, 174.1050

0.0000

349.4998,
337.6987, 215.5191

■ 0.3203, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.1636, 53.2700,
19.7342

■ 59.1636, 53.2700,
19.7342

■ 55.6309, 47.9268,
13.2481

■ 63.3381, 59.2748,
28.3535

■ 52.6921, 43.2083,
8.6951

■ 68.1897, 65.9598,
39.2753

■ 50.2969, 39.0847,
5.8415

■ 73.7551, 73.3523,
52.6552

■ 48.3656, 35.5115,
4.3053

■ 80.0670, 81.4754,
68.6342

■ 48.3654, 35.5112,
4.3052

■ 87.1558, 90.3511,
87.3424

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.



68.5961, 53.2700, 30.2754



59.1636, 53.2700, 19.7342



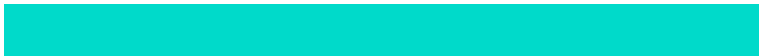
48.5001, 53.2700, 17.5981

Triad

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



59.1636, 53.2700, 19.7342



33.2012, 53.2700, 64.4170



63.4162, 53.2700, 117.7753

Complementary

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



59.1636, 53.2700, 19.7342



40.0523, 43.0903, 100.8135

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.



52.8246, 53.2700, 135.8564



59.1636, 53.2700, 19.7342



36.1139, 53.2700, 98.9400

Square

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



59.1636, 53.2700, 19.7342



34.4153, 53.2700, 37.7740



42.9619, 53.2700, 127.9861



71.2776, 53.2700, 84.4048

Rectangle

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



59.1636, 53.2700, 19.7342



42.2884, 53.2700, 20.2300



42.9619, 53.2700, 127.9861



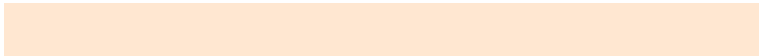
60.0056, 53.2700, 126.2838

Sweetspot

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



59.1649, 53.2727, 19.7352



81.4215, 83.1894, 72.1523



54.3370, 34.1013, 47.4616



17.0079, 17.2742, 14.3553



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.



59.1649, 53.2727, 19.7352



54.9970, 46.9337, 12.1892



78.5899, 92.1227, 26.2102



18.7345, 19.4372, 18.9087



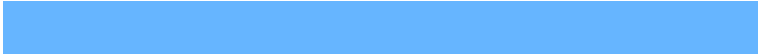
25.4201, 18.8514, 2.2989



2.5838, 2.0531, 0.2601

Inverse Universe

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



40.0523, 43.0903, 100.8135



34.3492, 35.9172, 99.7301



28.5357, 20.0570, 96.9746



17.7787, 18.9291, 22.9666



13.8690, 12.6475, 51.1448



1.4598, 1.4503, 5.0163

Previews

White Background



This preview shows how the XYZ color 59.1636, 53.2700, 19.7342 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 59.1636, 53.2700, 19.7342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

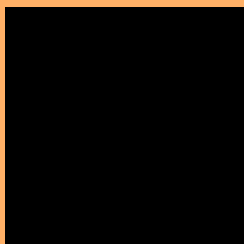
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1636, 53.2700, 19.7342

Background



This preview shows how black text looks on a background with the XYZ color 59.1636, 53.2700, 19.7342.



This preview shows how white text looks on a background with the XYZ color 59.1636, 53.2700,

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

59.1636, 53.2700, 19.7342

Protanopia

48.9281, 53.2197, 21.8810

Deuteranopia

54.3658, 53.2056, 19.4609



Tritanopia

63.9552, 53.3456, 50.6420

Trichromacy



Original Color

59.1636, 53.2700, 19.7342

Protanomaly

52.3668, 53.0752, 21.1202

Deuteranomaly

56.1811, 53.2204, 19.6234

Tritanomaly

61.6600, 53.0320, 36.6921

Monochromacy



Original Color

59.1636, 53.2700, 19.7342

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.5485, 51.9172, 40.1050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1636, 53.2700, 19.7342 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 102) }
```

Border

The CSS property to change the border of an element to XYZ 59.1636, 53.2700, 19.7342 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, 102) }
```


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

```
.border{ border-color:rgb(255, 176, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 176, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 176, 102); box-shadow:4px 4px 4px 4px rgb(255, 176, 102) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1636, 53.2700, 19.7342 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
176, 102) }
```

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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