

Converting Colors

XYZ(61.3880, 54.7863, 21.1012)

Have a look what the booklet for
XYZ(61.3880, 54.7863, 21.1012)
contains.

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Color

**XYZ(59.5637, 53.7449,
20.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB16A
RGB	255, 177, 106
RGB Percent	100%, 69%, 42%
CMY	0.0000, 0.3059, 0.5843
CMYK	0.00, 0.31, 0.58, 0.00
HSL	29°, 100%, 71%
HSV	29°, 58%, 100%
XYZ	59.5637, 53.7449, 20.8701
YIQ	192.2280, 69.2790, -5.5450

Conversions

Conversions Part 2

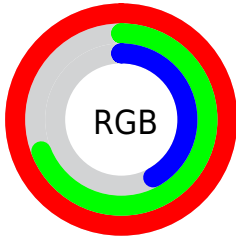
Format	Color
RYB	255, 242, 106
Decimal	16757098
CIELab	78.31, 21.36, 47.29
CIELCh	78, 51.891, 65.698
Yxy	53.7449, 0.4439, 0.4005
Android (android.graphics.Color)	4294947178 (0xFFFFB16A)
YUV	192.2280, -42.5104, 55.0510
Hunter-Lab	73.3109, 16.7337, 34.4390

Details

The XYZ color **59.5637, 53.7449, 20.8701** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.1334, 44.5631, 101.0410**, and the grayscale version is **50.4498, 53.0771, 57.8010**.

A 20% lighter version of the original color is **76.6369, 82.0410, 44.5972**, and **30.4271, 26.3029, 7.2147** is the 20% darker color. If you saturate the color by 10%, you get **55.9209, 48.2756, 14.0578**, and if you desaturate by 10%, it is **63.8611, 59.8931, 29.8462**.

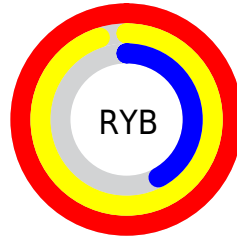
Distribution



Red (100%)

Green (69%)

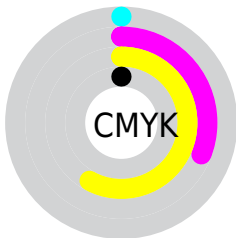
Blue (42%)



Red (100%)

Yellow (95%)

Blue (42%)

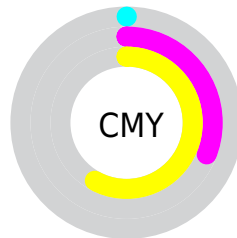


Cyan (0%)

Magenta (31%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5637, 53.7449, 20.8701 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 59.5637, 53.7449, 20.8701 by changing the saturation by 10% instead.


 59.5637, 53.7449,
20.8701


 59.5637, 53.7449,
20.8701


412.8483,
401.1365, 269.3457

 43.3152, 38.3978,
12.8388


 103.3065, 95.6996,
45.7492


 30.3281, 26.2915,
7.1882


 131.5314,
123.0759, 63.4341

 20.2371, 17.0419,
3.4998


 164.4792,
155.2308, 85.1739

 12.6767, 10.2643,
1.3552

 202.5152,
192.5485, 111.3872

 7.2818, 5.5746,
0.1064

246.0047,
235.4136, 142.4924

 3.6868, 2.5882,
0.0000

295.3132,

 1.5265, 0.9207,

284.2103, 178.9082

0.0000

350.8059,
339.3232, 221.0531

■ 0.3438, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.5637, 53.7449,
20.8701

■ 59.5637, 53.7449,
20.8701

■ 55.9209, 48.2756,
14.0578

■ 63.8611, 59.8931,
29.8462

■ 52.8855, 43.4479,
9.2136

■ 68.8481, 66.7389,
41.1524

■ 50.4083, 39.2320,
6.1109

■ 74.5613, 74.3100,
54.9419

■ 48.4213, 35.5877,
4.4320

■ 81.0331, 82.6299,
71.3540

■ 48.1406, 35.0614,
4.2302

■ 88.2941, 91.7208,
90.5175

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.



68.6728, 53.7449, 31.5377



59.5637, 53.7449, 20.8701



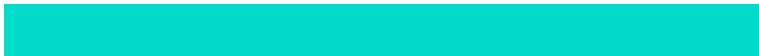
49.1651, 53.7449, 18.6005

Triad

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



59.5637, 53.7449, 20.8701



33.9855, 53.7449, 64.2599



63.3690, 53.7449, 116.8252

Complementary

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



59.5637, 53.7449, 20.8701



41.1334, 44.5631, 101.0410

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.



53.0500, 53.7449, 133.8416



59.5637, 53.7449, 20.8701



36.7866, 53.7449, 97.6753

Square

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



59.5637, 53.7449, 20.8701



35.2481, 53.7449, 38.3585



43.4479, 53.7449, 125.8687



71.0660, 53.7449, 84.7355

Rectangle

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



59.5637, 53.7449, 20.8701



43.0611, 53.7449, 21.1617



43.4479, 53.7449, 125.8687



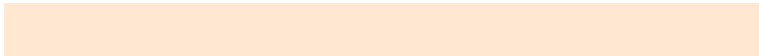
60.0438, 53.7449, 124.9093

Sweetspot

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



59.5650, 53.7476, 20.8711



81.3296, 83.0055, 72.1217



55.2005, 35.0910, 50.0219



16.9855, 17.2295, 14.3479



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.



59.5650, 53.7476, 20.8711



55.4057, 47.4762, 13.1726



78.0373, 90.6923, 27.0286



18.7234, 19.4151, 18.9050



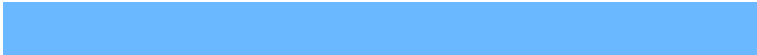
25.3019, 18.6150, 2.2595



2.5721, 2.0295, 0.2562

Inverse Universe

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



41.1334, 44.5631, 101.0410



35.4331, 37.5024, 99.9789



29.6751, 21.6463, 97.2215



17.7899, 18.9513, 22.9703



13.9992, 12.9080, 51.1882



1.4725, 1.4757, 5.0205

Previews

White Background



This preview shows how the XYZ color 59.5637, 53.7449, 20.8701 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 59.5637, 53.7449, 20.8701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

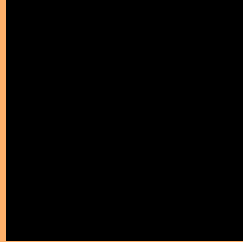
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.5637, 53.7449, 20.8701

Background



This preview shows how black text looks on a background with the XYZ color 59.5637, 53.7449, 20.8701.



This preview shows how white text looks on a background with the XYZ color 59.5637, 53.7449,

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

59.5637, 53.7449, 20.8701

Protanopia

49.6570, 53.8996, 23.1157

Deuteranopia

55.1075, 53.8745, 20.5910



Tritanopia

64.2464, 53.7632, 51.2472

Trichromacy



Original Color

59.5637, 53.7449, 20.8701

Protanomaly

52.7926, 53.5862, 22.3126

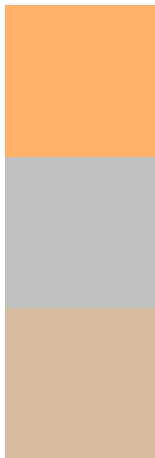
Deuteranomaly

56.5860, 53.7089, 20.7491

Tritanomaly

62.0163, 53.4802, 37.6260

Monochromacy



Original Color

59.5637, 53.7449, 20.8701

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

52.2277, 52.5609, 41.1108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5637, 53.7449, 20.8701 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, 177, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 106)  
}
```

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, 177, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 106) }
```

Border

The CSS property to change the border of an element to XYZ 59.5637, 53.7449, 20.8701 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, 177, 106) }
```


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

```
.border{ border-color:rgb(255, 177, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 177, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5637, 53.7449, 20.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 106) }
```

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

```
.background{ background-color: rgb(255,  
177, 106) }
```

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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