

Converting Colors

XYZ(59.3151, 53.3306, 20.5322)

Have a look what the booklet for XYZ(59.3151, 53.3306, 20.5322) contains.

- XYZ(59.3151, 53.3306, 20.5322) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(59.3151, 53.3306,
20.5322)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB069
RGB	255, 176, 105
RGB Percent	100%, 69%, 41%
CMY	0.0000, 0.3098, 0.5882
CMYK	0.00, 0.31, 0.59, 0.00
HSL	28°, 100%, 71%
HSV	28°, 59%, 100%
XYZ	59.3151, 53.3306, 20.5322
YIQ	191.5270, 69.8750, -5.3330

Conversions

Conversions Part 2

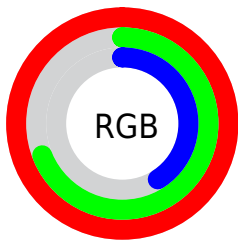
Format	Color
R _Y B	255, 240, 105
Decimal	16756841
CIE Lab	78.07, 21.81, 47.50
CIE LCh	78, 52.267, 65.341
Yxy	53.3306, 0.4454, 0.4004
Android (android.graphics.Color)	4294946921 (0xFFFFB069)
YUV	191.5270, -42.6578, 55.6658
Hunter-Lab	73.0278, 17.1837, 34.4497

Details

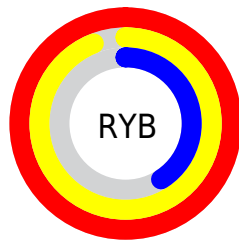
The XYZ color **59.3151, 53.3306, 20.5322** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.0152, 44.5020, 101.0352**, and the grayscale version is **50.0406, 52.6466, 57.3321**.

A 20% lighter version of the original color is **76.2682, 81.4418, 44.0478**, and **30.0207, 25.9111, 7.0335** is the 20% darker color. If you saturate the color by 10%, you get **55.6918, 47.8765, 13.7992**, and if you desaturate by 10%, it is **63.5943, 59.4681, 29.4229**.

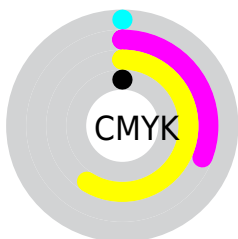
Distribution



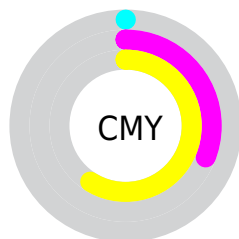
- Red (100%)
- Green (69%)
- Blue (41%)



- Red (100%)
- Yellow (94%)
- Blue (41%)



- Cyan (0%)
- Magenta (31%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (31%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3151, 53.3306, 20.5322 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 59.3151, 53.3306, 20.5322 by changing the saturation by 10% instead.


 59.3151, 53.3306,
20.5322


 59.3151, 53.3306,
20.5322


411.9439,
399.5522, 267.4807


 43.1142, 38.0668,
12.5946


 102.9475, 95.0907,
45.1783


 30.1696, 26.0345,
7.0225


 131.1097,
122.3557, 62.7239

 20.1161, 16.8495,
3.3975


 163.9897,
154.3899, 84.3092

 12.5882, 10.1272,
1.3010

 201.9528,
191.5776, 110.3528

 7.2206, 5.4834,
0.0626

245.3644,
234.3033, 141.2732

 3.6480, 2.5336,
0.0000

294.5899,

 1.5050, 0.8934,

282.9514, 177.4890

0.0000

349.9946,
337.9062, 219.4186

■ 0.3292, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3151, 53.3306,
20.5322

■ 59.3151, 53.3306,
20.5322

■ 55.6918, 47.8765,
13.7992

■ 63.5943, 59.4681,
29.4229

■ 52.6767, 43.0684,
9.0270

■ 68.5647, 66.3083,
40.6384

■ 50.2202, 38.8758,
5.9873

■ 74.2630, 73.8791,
54.3326

■ 48.2516, 35.2572,
4.3484

■ 80.7221, 82.2043,
70.6452

48.0420, 34.8643,
4.1974

87.9726, 91.3065,
89.7054

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



68.4191, 53.3306, 31.2722



59.3151, 53.3306, 20.5322



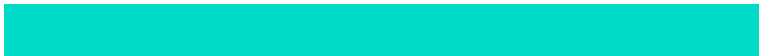
48.8863, 53.3306, 18.1894

Triad

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



59.3151, 53.3306, 20.5322



33.5700, 53.3306, 63.4518



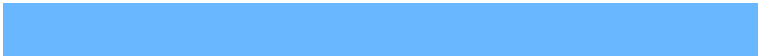
62.8941, 53.3306, 116.9541

Complementary

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



59.3151, 53.3306, 20.5322



41.0152, 44.5020, 101.0352

Split Complementary

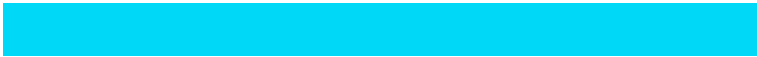
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.5357, 53.3306, 133.8150



59.3151, 53.3306, 20.5322



36.3218, 53.3306, 96.9700

Square

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



59.3151, 53.3306, 20.5322



34.8802, 53.3306, 37.6540



42.9428, 53.3306, 125.4875



70.6719, 53.3306, 84.7801

Rectangle

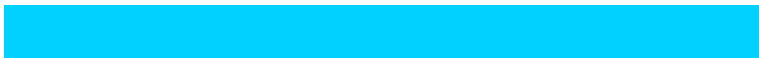
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.3151, 53.3306, 20.5322



42.7538, 53.3306, 20.6737



42.9428, 53.3306, 125.4875



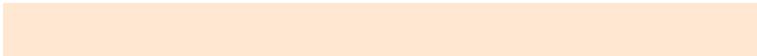
59.5502, 53.3306, 125.0161

Sweetspot

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



59.3164, 53.3333, 20.5332



81.2888, 82.9239, 72.1081



55.0486, 34.8663, 49.7278



16.9756, 17.2097, 14.3446



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.



59.3164, 53.3333, 20.5332



54.9853, 46.7757, 12.6003



77.9751, 90.6507, 26.7528



18.7185, 19.4052, 18.9033



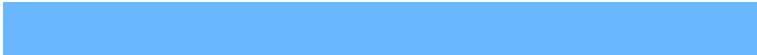
25.2501, 18.5114, 2.2422



2.5669, 2.0192, 0.2545

Inverse Universe

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



41.0152, 44.5020, 101.0352



35.1132, 37.1599, 99.9296



29.4520, 21.3756, 97.1808



17.7948, 18.9612, 22.9719



14.0578, 13.0251, 51.2078



1.4782, 1.4871, 5.0224

Previews

White Background



This preview shows how the XYZ color 59.3151, 53.3306, 20.5322 looks on a white background.

Color Contrast Check

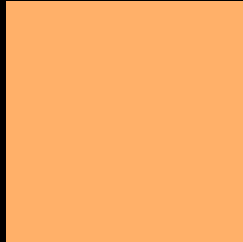
Large Text (above 18pt) WCAG AA × Fail

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 59.3151, 53.3306, 20.5322 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 59.3151, 53.3306, 20.5322

Background



This preview shows how black text looks on a background with the XYZ color 59.3151, 53.3306, 20.5322.



This preview shows how white text looks on a background with the XYZ color 59.3151, 53.3306,

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

59.3151, 53.3306, 20.5322

Protanopia

49.3124, 53.7283, 22.8105

Deuteranopia

54.5137, 53.2648, 20.2399



Tritanopia

63.9552, 53.3456, 50.6420

Trichromacy



Original Color

59.3151, 53.3306, 20.5322

Protanomaly

52.5255, 53.1388, 21.9564

Deuteranomaly

56.3308, 53.2803, 20.4119

Tritanomaly

61.7423, 53.0650, 37.1254

Monochromacy



Original Color

59.3151, 53.3306, 20.5322

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.9284, 52.1029, 40.5777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3151, 53.3306, 20.5322 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 105) }
```

Border

The CSS property to change the border of an element to XYZ 59.3151, 53.3306, 20.5322 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, 105) }
```


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

```
.border{ border-color:rgb(255, 176, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3151, 53.3306, 20.5322 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, 105) }
```

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

```
.background{ background-color: rgb(255,  
176, 105) }
```

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