

Converting Colors

XYZ(80.5405, 65.3554, 14.3068)

Have a look what the booklet for
XYZ(80.5405, 65.3554, 14.3068)
contains.

XYZ(58.4974, 53.9551, 13.2925)	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(58.4974, 53.9551,
13.2925)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB347
RGB	255, 179, 71
RGB Percent	100%, 70%, 28%
CMY	0.0000, 0.2980, 0.7216
CMYK	0.00, 0.30, 0.72, 0.00
HSL	35°, 100%, 64%
HSV	35°, 72%, 100%
XYZ	58.4974, 53.9551, 13.2925
YIQ	189.4120, 79.9640, -17.4760

Conversions

Conversions Part 2

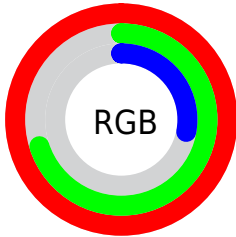
Format	Color
R_{YB}	200, 255, 71
Decimal	16757575
CIE _{Lab}	78.44, 18.26, 63.60
CIE _{LCh}	78, 66.173, 73.984
Yxy	53.9551, 0.4652, 0.4291
Android (android.graphics.Color)	4294947655 (0xFFFFB347)
YUV	189.4120, -58.3771, 57.5207
Hunter-Lab	73.4541, 13.6091, 40.6886

Details

The XYZ color **58.4974, 53.9551, 13.2925** is a light color, and the websafe version is hex **FF9933**, and the color name is **pastel orange**. The color can be described as light washed orange. A complement of this color would be **31.0817, 29.4258, 98.6486**, and the grayscale version is **48.8993, 51.4459, 56.0246**.

A 20% lighter version of the original color is **74.6500, 82.1573, 31.3255**, and **29.4806, 26.2701, 3.6604** is the 20% darker color. If you saturate the color by 10%, you get **55.8136, 49.6343, 9.1724**, and if you desaturate by 10%, it is **61.6880, 58.7411, 19.2751**.

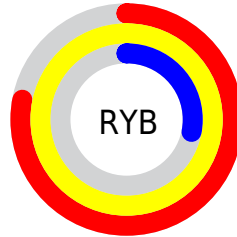
Distribution



Red (100%)

Green (70%)

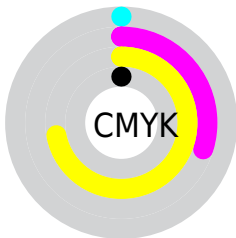
Blue (28%)



Red (78%)

Yellow (100%)

Blue (28%)

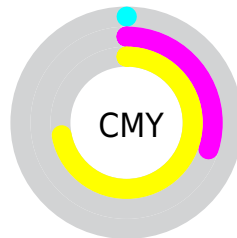


Cyan (0%)

Magenta (30%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.4974, 53.9551, 13.2925 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 58.4974, 53.9551, 13.2925 by changing the saturation by 10% instead.

58.4974, 53.9551,
13.2925

58.4974, 53.9551,
13.2925

408.9609,
401.9388, 224.0571

42.4535, 38.5658,
7.4972

101.7656, 96.0083,
32.5271

29.6492, 26.4221,
3.6918

129.7207,
123.4410, 46.8035

19.7192, 17.1397,
1.4578

162.3768,
155.6569, 64.7440

12.2982, 10.3341,
0.1862

200.0993,
193.0404, 86.7672

7.0207, 5.6211,
0.0000

243.2536,
235.9760, 113.2915

3.5215, 2.6161,
0.0000

292.2051,

1.4352, 0.9347,

284.8480, 144.7356

0.0000

347.3190,
340.0408, 181.5180

■ 0.2811, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4974, 53.9551,
13.2925

■ 58.4974, 53.9551,
13.2925

■ 55.8136, 49.6343,
9.1724

■ 61.6880, 58.7411,
19.2751

■ 53.5832, 45.7448,
6.6675

■ 65.4234, 64.0063,
27.3197

■ 52.0953, 42.9711,
5.5485

■ 69.7413, 69.7734,
37.6031

■ 74.6747, 76.0608,
50.2822

80.2535, 82.8855,
65.4996

86.5056, 90.2637,
83.3865

93.4570, 98.2105,
104.0652

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



71.4658, 53.9551, 21.7234



58.4974, 53.9551, 13.2925



45.4731, 53.9551, 13.0499

Triad

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



58.4974, 53.9551, 13.2925



30.6404, 53.9551, 77.8128



70.6863, 53.9551, 126.8280

Complementary

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



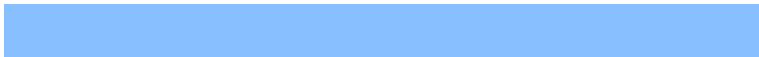
58.4974, 53.9551, 13.2925



31.0817, 29.4258, 98.6486

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.



57.5671, 53.9551, 159.2686



58.4974, 53.9551, 13.2925



35.3097, 53.9551, 123.8516

Square

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



58.4974, 53.9551, 13.2925



30.8036, 53.9551, 41.1185



44.6870, 53.9551, 157.9938



79.2747, 53.9551, 80.8095

Rectangle

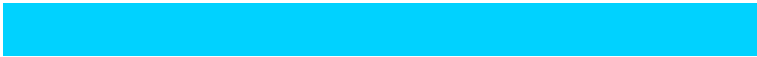
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.4974, 53.9551, 13.2925



38.5345, 53.9551, 17.1212



44.6870, 53.9551, 157.9938



66.5716, 53.9551, 140.4062

Sweetspot

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



58.4986, 53.9578, 13.2935



80.3460, 82.9965, 65.7572



48.8122, 27.8944, 30.6910



16.8589, 17.3565, 13.1338



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.



58.4986, 53.9578, 13.2935



54.6802, 47.6979, 7.7745



72.7191, 90.4413, 19.5861



18.8955, 19.7592, 18.9623



27.3719, 22.7550, 2.9495



2.7729, 2.4311, 0.3231

Inverse Universe

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



31.0817, 29.4258, 98.6486



25.9874, 22.1565, 97.5147



24.1721, 13.7213, 95.9815



17.6192, 18.6101, 22.9134



12.2267, 9.3629, 50.5974



1.2950, 1.1208, 4.9614

Previews

White Background



This preview shows how the XYZ color 58.4974, 53.9551, 13.2925 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 58.4974, 53.9551, 13.2925 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 58.4974, 53.9551, 13.2925

Background



This preview shows how black text looks on a background with the XYZ color 58.4974, 53.9551, 13.2925.



This preview shows how white text looks on a background with the XYZ color 58.4974, 53.9551,

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

58.4974, 53.9551, 13.2925

Protanopia

49.4004, 54.2899, 14.5319

Deuteranopia

55.3853, 54.1823, 13.1693



Tritanopia

64.2464, 53.7632, 51.2472

Trichromacy



Original Color

58.4974, 53.9551, 13.2925

Protanomaly

52.3886, 53.8785, 14.1170

Deuteranomaly

56.3967, 54.0833, 13.2610

Tritanomaly

61.2585, 53.4851, 32.6862

Monochromacy



Original Color

58.4974, 53.9551, 13.2925

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.9778, 50.9194, 34.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.4974, 53.9551, 13.2925 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, 179, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 71)  
}
```

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, 179, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 71) }
```

Border

The CSS property to change the border of an element to XYZ 58.4974, 53.9551, 13.2925 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, 179, 71) }
```


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

```
.border{ border-color:rgb(255, 179, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 58.4974, 53.9551, 13.2925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 71) }
```

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

```
.background{ background-color: rgb(255,  
179, 71) }
```

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