

Converting Colors

XYZ(71.0797, 61.3359, 15.0170)

Have a look what the booklet for
XYZ(71.0797, 61.3359, 15.0170)
contains.

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Color

**XYZ(59.2725, 55.2377,
14.3754)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB64C
RGB	255, 182, 76
RGB Percent	100%, 71%, 30%
CMY	0.0000, 0.2862, 0.7019
CMYK	0.00, 0.29, 0.70, 0.00
HSL	36°, 100%, 65%
HSV	36°, 70%, 100%
XYZ	59.2725, 55.2377, 14.3754
YIQ	191.7430, 77.5340, -17.4900

Conversions

Conversions Part 2

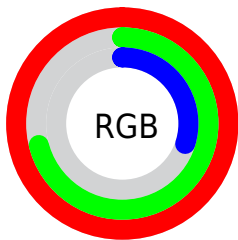
Format	Color
RYB	199, 255, 76
Decimal	16758348
CIELab	79.18, 16.93, 62.26
CIELCh	79, 64.521, 74.790
Yxy	55.2377, 0.4599, 0.4286
Android (android.graphics.Color)	4294948428 (0xFFFFB64C)
YUV	191.7430, -57.0613, 55.4764
Hunter-Lab	74.3221, 12.2917, 40.5576

Details

The XYZ color **59.2725, 55.2377, 14.3754** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **31.7774, 30.2501, 98.7713**, and the grayscale version is **50.2450, 52.8616, 57.5663**.

A 20% lighter version of the original color is **75.8438, 84.0208, 33.3393**, and **30.1919, 27.2073, 4.1505** is the 20% darker color. If you saturate the color by 10%, you get **56.5045, 50.8507, 9.9119**, and if you desaturate by 10%, it is **62.5523, 60.0870, 20.7426**.

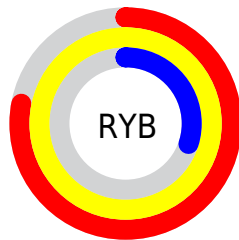
Distribution



Red (100%)

Green (71%)

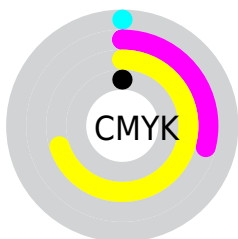
Blue (30%)



Red (78%)

Yellow (100%)

Blue (30%)

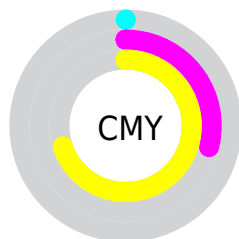


Cyan (0%)

Magenta (29%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2725, 55.2377, 14.3754 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 59.2725, 55.2377, 14.3754 by changing the saturation by 10% instead.


 59.2725, 55.2377,
14.3754


 59.2725, 55.2377,
14.3754


411.7889,
406.8123, 231.0629


 43.0797, 39.5921,
8.2405


 102.8860, 97.8891,
34.4803


 30.1425, 27.2206,
4.1592


 131.0374,
125.6637, 49.2874


 20.0954, 17.7390,
1.7131


 163.9057,
158.2501, 67.8223

 12.5730, 10.7628,
0.3697

 201.8564,
196.0326, 90.5036

 7.2102, 5.9075,
0.0000

 245.2546,
239.3957, 117.7497

 3.6414, 2.7889,
0.0000

294.4659,

 1.5013, 1.0226,

288.7238, 149.9793

0.0000

349.8555,
344.4012, 187.6109

■ 0.3267, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.2725, 55.2377,
14.3754

■ 59.2725, 55.2377,
14.3754

■ 56.5045, 50.8507,
9.9119

■ 62.5523, 60.0870,
20.7426

■ 54.1969, 46.8932,
7.1147

■ 66.3804, 65.4116,
29.2068

■ 52.3086, 43.3975,
5.6196

■ 70.7938, 71.2339,
39.9405

■ 75.8246, 77.5715,
53.0974

81.5021, 84.4412,
68.8178

87.8537, 91.8585,
87.2309

94.9051, 99.8384,
108.4573

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.



72.1168, 55.2377, 22.7308



59.2725, 55.2377, 14.3754



46.4288, 55.2377, 14.3236

Triad

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



59.2725, 55.2377, 14.3754



32.0087, 55.2377, 80.1329



71.9583, 55.2377, 125.8473

Complementary

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



59.2725, 55.2377, 14.3754



31.7774, 30.2501, 98.7713

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.



59.0825, 55.2377, 158.1160



59.2725, 55.2377, 14.3754



36.8111, 55.2377, 125.2467

Square

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



59.2725, 55.2377, 14.3754



32.0425, 55.2377, 43.3861



46.2674, 55.2377, 157.8597



80.2162, 55.2377, 80.7427

Rectangle

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



59.2725, 55.2377, 14.3754



39.5985, 55.2377, 18.6707



46.2674, 55.2377, 157.8597



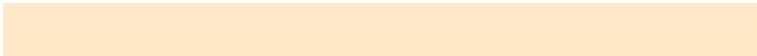
67.9416, 55.2377, 139.2431

Sweetspot

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



59.2738, 55.2405, 14.3765



81.0207, 83.8684, 67.4543



49.3767, 28.6501, 32.0293



16.9952, 17.5363, 13.4651



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.



59.2738, 55.2405, 14.3765



55.5752, 49.2956, 8.6654



73.0278, 90.5813, 20.4730



18.9037, 19.7756, 18.9651



27.4830, 22.9773, 2.9865



2.7834, 2.4521, 0.3266

Inverse Universe

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



31.7774, 30.2501, 98.7713



26.6950, 23.1643, 97.6719



24.9410, 14.6093, 96.1126



17.6112, 18.5940, 22.9107



12.1552, 9.2199, 50.5736



1.2876, 1.1060, 4.9589

Previews

White Background



This preview shows how the XYZ color 59.2725, 55.2377, 14.3754 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 59.2725, 55.2377, 14.3754 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 59.2725, 55.2377, 14.3754

Background



This preview shows how black text looks on a background with the XYZ color 59.2725, 55.2377, 14.3754.



This preview shows how white text looks on a background with the XYZ color 59.2725, 55.2377,

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

59.2725, 55.2377, 14.3754

Protanopia

50.6276, 55.5718, 15.6475

Deuteranopia

56.6965, 55.4611, 14.3734



Tritanopia

65.1330, 55.0349, 53.0889

Trichromacy



Original Color

59.2725, 55.2377, 14.3754

Protanomaly

53.5396, 55.4196, 15.2723

Deuteranomaly

57.6859, 55.3457, 14.2990

Tritanomaly

62.0730, 54.7486, 34.0840

Monochromacy



Original Color

59.2725, 55.2377, 14.3754

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

51.5126, 52.6155, 36.2950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2725, 55.2377, 14.3754 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, 182, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 76)  
}
```

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, 182, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 76) }
```

Border

The CSS property to change the border of an element to XYZ 59.2725, 55.2377, 14.3754 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, 182, 76) }
```


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

```
.border{ border-color:rgb(255, 182, 76) }
```

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

Here you see how a box with a 4 pixel rgb(255, 182, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2725, 55.2377, 14.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 76) }
```

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

```
.background{ background-color: rgb(255,  
182, 76) }
```

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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