

Converting Colors

XYZ(58.9993, 56.2820, 9.3813)

Have a look what the booklet for
XYZ(58.9993, 56.2820, 9.3813)
contains.

XYZ(58.8923, 56.0793, 9.3105)	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(58.8923, 56.0793,
9.3105)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB923
RGB	255, 185, 35
RGB Percent	100%, 73%, 14%
CMY	0.0000, 0.2745, 0.8627
CMYK	0.00, 0.27, 0.86, 0.00
HSL	41°, 100%, 57%
HSV	41°, 86%, 100%
XYZ	58.8923, 56.0793, 9.3105
YIQ	188.8300, 89.8700, -31.8100

Conversions

Conversions Part 2

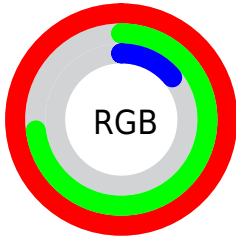
Format	Color
R_{YB}	138, 255, 35
Decimal	16759075
CIE Lab	79.66, 13.94, 76.82
CIE LCh	80, 78.072, 79.715
Yxy	56.0793, 0.4739, 0.4512
Android (android.graphics.Color)	4294949155 (0xFFFFB923)
YUV	188.8300, -75.8382, 58.0311
Hunter-Lab	74.8861, 9.3261, 45.0488

Details

The XYZ color **58.8923, 56.0793, 9.3105** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **23.7947, 17.6803, 96.7654**, and the grayscale version is **48.6582, 51.1923, 55.7484**.

A 20% lighter version of the original color is **74.8530, 85.0337, 23.7772**, and **30.2436, 27.8400, 3.7796** is the 20% darker color. If you saturate the color by 10%, you get **56.9930, 52.6831, 7.4380**, and if you desaturate by 10%, it is **61.1652, 59.7845, 12.6614**.

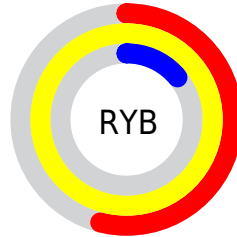
Distribution



Red (100%)

Green (73%)

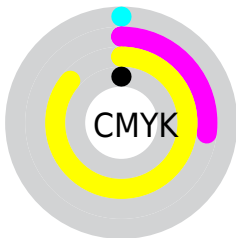
Blue (14%)



Red (54%)

Yellow (100%)

Blue (14%)

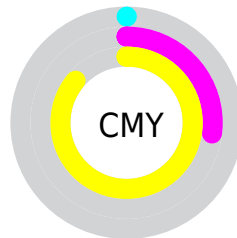


Cyan (0%)

Magenta (27%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8923, 56.0793, 9.3105 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 58.8923, 56.0793, 9.3105 by changing the saturation by 10% instead.


 58.8923, 56.0793,
9.3105


 58.8923, 56.0793,
9.3105


410.4031,
409.9903, 195.9802


 42.7725, 40.2665,
4.8447


 102.3366, 99.1205,
25.0775


 29.9004, 27.7464,
2.0993


 130.3919,
127.1177, 37.2158

 19.9107, 18.1346,
0.6153


 163.1562,
159.9452, 52.7486

 12.4380, 11.0466,
0.0000

 200.9951,
197.9873, 72.0945

 7.1170, 6.0982,
0.0000

 244.2739,
241.6285, 95.6721

 3.5824, 2.9049,
0.0000

 293.3580,

 1.4687, 1.0823,

291.2531, 123.8999

0.0000

348.6126,
347.2456, 157.1964

■ 0.3044, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8923, 56.0793,
9.3105

■ 58.8923, 56.0793,
9.3105

■ 56.9930, 52.6831,
7.4380

■ 61.1652, 59.7845,
12.6614

■ 56.3505, 51.4815,
6.9669

■ 63.8606, 63.8138,
17.7570

■ 67.0223, 68.1896,
24.8151

■ 70.6868, 72.9288,
34.0205

■ 74.8864, 78.0467,
45.5366

■ 79.6506, 83.5573,
59.5107

■ 85.0062, 89.4736,
76.0781

■ 90.9784, 95.8080,
95.3639

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



75.3733, 56.0793, 15.9242



58.8923, 56.0793, 9.3105



43.7263, 56.0793, 10.4038

Triad

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



58.8923, 56.0793, 9.3105



29.5777, 56.0793, 95.2325



79.8952, 56.0793, 136.0394

Complementary

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



58.8923, 56.0793, 9.3105



23.7947, 17.6803, 96.7654

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.



64.1819, 56.0793, 184.4688



58.8923, 56.0793, 9.3105



36.0237, 56.0793, 153.9694

Square

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



58.8923, 56.0793, 9.3105



28.7163, 56.0793, 46.8506



48.0766, 56.0793, 192.2874



88.9875, 56.0793, 77.8879

Rectangle

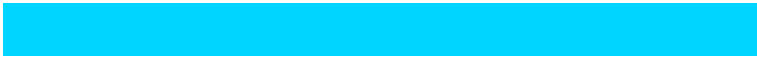
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.8923, 56.0793, 9.3105



36.2016, 56.0793, 15.6990



48.0766, 56.0793, 192.2874



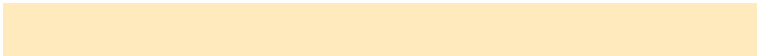
75.0831, 56.0793, 154.9984

Sweetspot

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



58.8936, 56.0821, 9.3116



79.7889, 83.7134, 59.9265



44.5656, 23.5522, 16.4789



16.7096, 17.4990, 11.7240



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.



58.8936, 56.0821, 9.3116



56.3510, 51.4820, 6.9670



65.0765, 86.5976, 14.8758



19.0453, 20.0588, 19.0123



29.5851, 27.1814, 3.6872



2.9791, 2.8436, 0.3918

Inverse Universe

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



23.7947, 17.6803, 96.7654



21.0021, 13.1242, 96.0340



21.2992, 9.7876, 95.3735



17.4747, 18.3209, 22.8652



11.0921, 7.0938, 50.2192



1.1735, 0.8777, 4.9208

Previews

White Background



This preview shows how the XYZ color 58.8923, 56.0793, 9.3105 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 58.8923, 56.0793, 9.3105 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 58.8923, 56.0793, 9.3105

Background



This preview shows how black text looks on a background with the XYZ color 58.8923, 56.0793, 9.3105.



This preview shows how white text looks on a background with the XYZ color 58.8923, 56.0793,

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

58.8923, 56.0793, 9.3105

Protanopia

50.9917, 56.2226, 10.0840

Deuteranopia

57.3247, 56.2160, 9.2683



Tritanopia

65.7350, 55.8985, 54.3386

Trichromacy



Original Color

58.8923, 56.0793, 9.3105

Protanomaly

53.6808, 55.9420, 9.8023

Deuteranomaly

57.8427, 56.1654, 9.3057

Tritanomaly

61.5250, 55.1661, 29.2352

Monochromacy



Original Color

58.8923, 56.0793, 9.3105

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

49.6574, 51.8060, 29.5726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8923, 56.0793, 9.3105 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, 185, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 35)  
}
```

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, 185, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 35) }
```

Border

The CSS property to change the border of an element to XYZ 58.8923, 56.0793, 9.3105 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, 185, 35) }
```


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

```
.border{ border-color:rgb(255, 185, 35) }
```

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

Here you see how a box with a 4 pixel rgb(255, 185, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8923, 56.0793, 9.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 35) }
```

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

```
.background{ background-color: rgb(255,  
185, 35) }
```

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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