

Converting Colors

XYZ(92.8579, 72.1418, 5.3680)

Have a look what the booklet for
XYZ(92.8579, 72.1418, 5.3680)
contains.

XYZ(57.5613, 53.9025, 7.3704)	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(57.5613, 53.9025,
7.3704)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB400
RGB	255, 180, 0
RGB Percent	100%, 71%, 0%
CMY	0.0000, 0.2941, 0.9999
CMYK	0.00, 0.29, 1.00, 0.00
HSL	42°, 100%, 50%
HSV	42°, 100%, 100%
XYZ	57.5613, 53.9025, 7.3704
YIQ	181.9050, 102.4800, -40.0800

Conversions

Conversions Part 2

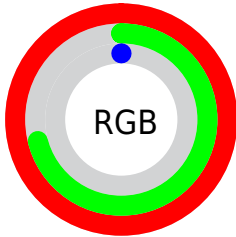
Format	Color
RYB	106, 255, 0
Decimal	16757760
CIELab	78.40, 16.11, 81.26
CIELCh	78, 82.839, 78.787
Yxy	53.9025, 0.4844, 0.4536
Android (android.graphics.Color)	4294947840 (0xFFFFB400)
YUV	181.9050, -89.6792, 64.1043
Hunter-Lab	73.4183, 11.4652, 45.4408

Details

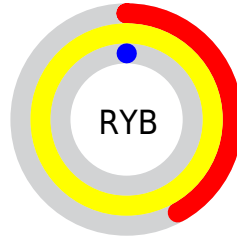
The XYZ color **57.5613, 53.9025, 7.3704** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **20.5669, 12.2537, 95.8883**, and the grayscale version is **44.8481, 47.1837, 51.3831**.

A 20% lighter version of the original color is **72.7584, 81.8601, 19.9484**, and **29.4574, 26.6448, 3.5904** is the 20% darker color. If you saturate the color by 10%, you get **57.5613, 53.9030, 7.3705**, and if you desaturate by 10%, it is **59.2989, 57.0884, 8.8431**.

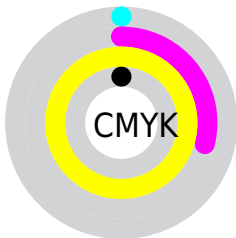
Distribution



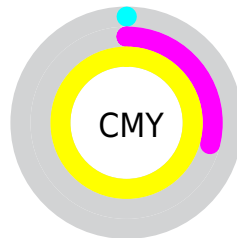
- Red (100%)
- Green (71%)
- Blue (0%)



- Red (42%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (29%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (29%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5613, 53.9025, 7.3704 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 57.5613, 53.9025, 7.3704 by changing the saturation by 10% instead.


 57.5613, 53.9025,
7.3704


 57.5613, 53.9025,
7.3704


405.5295,
401.7381, 180.4530

 41.6980, 38.5237,
3.6129


 100.4104, 95.9311,
21.2400

 29.0549, 26.3894,
1.4155


 128.1268,
123.3497, 32.1891

 19.2669, 17.1152,
0.1537


 160.5250,
155.5503, 46.3726

 11.9684, 10.3167,
0.0000

 197.9703,
192.9174, 64.2088

 6.7942, 5.6094,
0.0000

 240.8280,
235.8353, 86.1165

 3.3789, 2.6091,
0.0000

 289.4636,

 1.3572, 0.9312,

284.6885, 112.5140

0.0000

344.2423,
339.8613, 143.8200

■ 0.2254, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.5613, 53.9025,
7.3704

■ 57.5613, 53.9025,
7.3704

■ 57.5613, 53.9030,
7.3705

■ 59.2989, 57.0884,
8.8431

■ 61.3542, 60.5322,
11.5843

■ 63.8019, 64.2680,
15.9746

■ 66.6870, 68.3157,
22.2466

70.0478, 72.6926,
30.5954

73.9177, 77.4139,
41.1914

78.3268, 82.4933,
54.1873

83.3026, 87.9436,
69.7224

88.8705, 93.7768,
87.9253

Harmonies

Analogous

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



74.7369, 53.9025, 13.7950



57.5613, 53.9025, 7.3704



41.8022, 53.9025, 8.1657

Triad

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



57.5613, 53.9025, 7.3704



26.9527, 53.9025, 92.5381



78.5593, 53.9025, 139.7424

Complementary

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



57.5613, 53.9025, 7.3704



20.5669, 12.2537, 95.8883

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.



61.9845, 53.9025, 190.9688



57.5613, 53.9025, 7.3704



33.2588, 53.9025, 155.2039

Square

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



57.5613, 53.9025, 7.3704



26.2616, 53.9025, 42.9327



45.3859, 53.9025, 197.7750



88.4617, 53.9025, 77.8978

Rectangle

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



57.5613, 53.9025, 7.3704



34.0256, 53.9025, 12.8868



45.3859, 53.9025, 197.7750



73.4390, 53.9025, 159.9151

Sweetspot

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



57.5625, 53.9052, 7.3714



78.3239, 82.4899, 54.1772



42.5623, 21.7892, 8.8938



16.3522, 17.1883, 10.3589



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.



57.5625, 53.9052, 7.3714



57.5617, 53.9033, 7.3706



60.6626, 84.3574, 13.0859



19.0836, 20.1353, 19.0250



30.2130, 28.4372, 3.8965



3.0365, 2.9584, 0.4110

Inverse Universe

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



20.5669, 12.2537, 95.8883



20.5659, 12.2519, 95.8886



19.4161, 7.9246, 95.1134



17.4383, 18.2482, 22.8531



10.8578, 6.6251, 50.1411



1.1470, 0.8246, 4.9120

Previews

White Background



This preview shows how the XYZ color 57.5613, 53.9025, 7.3704 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 57.5613, 53.9025, 7.3704 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 57.5613, 53.9025, 7.3704

Background



This preview shows how black text looks on a background with the XYZ color 57.5613, 53.9025, 7.3704.



This preview shows how white text looks on a background with the XYZ color 57.5613, 53.9025,

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

57.5613, 53.9025, 7.3704

Protanopia

48.8221, 54.1277, 8.3647

Deuteranopia

55.1465, 53.8738, 7.4921



Tritanopia

64.2464, 53.7632, 51.2472

Trichromacy



Original Color

57.5613, 53.9025, 7.3704

Protanomaly

51.7470, 54.0046, 7.9837

Deuteranomaly

56.0004, 54.0067, 7.4728

Tritanomaly

59.5284, 52.7931, 23.5756

Monochromacy



Original Color

57.5613, 53.9025, 7.3704

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.9708, 47.8640, 23.3388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5613, 53.9025, 7.3704 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, 180, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 0)  
}
```

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, 180, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 0) }
```

Border

The CSS property to change the border of an element to XYZ 57.5613, 53.9025, 7.3704 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, 180, 0) }
```


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

```
.border{ border-color:rgb(255, 180, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5613, 53.9025, 7.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 0) }
```

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

```
.background{ background-color: rgb(255,  
180, 0) }
```

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