

Converting Colors

XYZ(59.1398, 57.0541, 7.8951)

Have a look what the booklet for
XYZ(59.1398, 57.0541, 7.8951)
contains.

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Color

**XYZ(59.2232, 57.2264,
7.9244)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBC00
RGB	255, 188, 0
RGB Percent	100%, 74%, 0%
CMY	0.0000, 0.2627, 0.9999
CMYK	0.00, 0.26, 1.00, 0.00
HSL	44°, 100%, 50%
HSV	44°, 100%, 100%
XYZ	59.2232, 57.2264, 7.9244
YIQ	186.6010, 100.2800, -44.2640

Conversions

Conversions Part 2

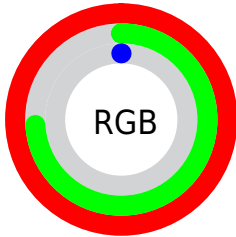
Format	Color
R _Y B	91, 255, 0
Decimal	16759808
CIE Lab	80.31, 11.94, 82.54
CIE LCh	80, 83.403, 81.767
Yxy	57.2264, 0.4762, 0.4601
Android (android.graphics.Color)	4294949888 (0xFFFFBC00)
YUV	186.6010, -91.9943, 59.9859
Hunter-Lab	75.6481, 7.3594, 46.7429

Details

The XYZ color **59.2232, 57.2264, 7.9244** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **20.0581, 11.2359, 95.7185**, and the grayscale version is **47.4741, 49.9465, 54.3917**.

A 20% lighter version of the original color is **75.1909, 86.6015, 21.1403**, and **30.6563, 28.6654, 3.9172** is the 20% darker color. If you saturate the color by 10%, you get **59.2232, 57.2269, 7.9245**, and if you desaturate by 10%, it is **60.8703, 60.2312, 9.3670**.

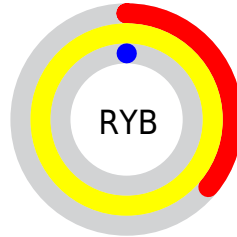
Distribution



Red (100%)

Green (74%)

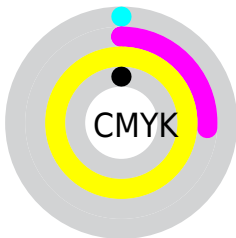
Blue (0%)



Red (36%)

Yellow (100%)

Blue (0%)

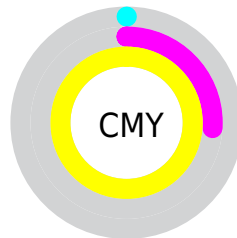


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2232, 57.2264, 7.9244 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 59.2232, 57.2264, 7.9244 by changing the saturation by 10% instead.


 59.2232, 57.2264,
7.9244


 59.2232, 57.2264,
7.9244


411.6093,
414.2971, 185.0502

 43.0399, 41.1870,
3.9595


 102.8148,
100.7955, 22.3538

 30.1111, 28.4653,
1.6032


 130.9537,
129.0939, 33.6555

 20.0714, 18.6767,
0.2931

 163.8086,
162.2476, 48.2398

 12.5555, 11.4369,
0.0000

 201.7448,
200.6408, 66.5253

 7.1981, 6.3615,
0.0000

 245.1276,
244.6580, 88.9305

 3.6337, 3.0661,
0.0000

 294.3224,

 1.4971, 1.1663,

294.6835, 115.8741

0.0000

349.6945,
351.1017, 147.7745

■ 0.3238, 0.0340,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.2232, 57.2264,
7.9244

■ 59.2232, 57.2264,
7.9244

■ 59.2232, 57.2269,
7.9245

■ 60.8703, 60.2312,
9.3670

■ 62.8192, 63.4621,
12.0729

■ 65.1441, 66.9525,
16.4224

■ 67.8900, 70.7217,
22.6482

■ 71.0946, 74.7861,
30.9451

■ 74.7911, 79.1604,
41.4834

■ 79.0091, 83.8576,
54.4158

■ 83.7759, 88.8898,
69.8815

■ 89.1165, 94.2685,
88.0088

Harmonies

Analogous

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



77.3085, 57.2264, 13.8291



59.2232, 57.2264, 7.9244



43.1178, 57.2264, 9.4627

Triad

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



59.2232, 57.2264, 7.9244



29.2726, 57.2264, 104.0161



84.4223, 57.2264, 140.3508

Complementary

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



59.2232, 57.2264, 7.9244



20.0581, 11.2359, 95.7185

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.



67.4778, 57.2264, 196.5091



59.2232, 57.2264, 7.9244



36.5209, 57.2264, 168.9885

Square

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



59.2232, 57.2264, 7.9244



27.9694, 57.2264, 49.8081



49.8309, 57.2264, 209.0840



93.7183, 57.2264, 76.7458

Rectangle

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



59.2232, 57.2264, 7.9244



35.3463, 57.2264, 15.2387



49.8309, 57.2264, 209.0840



79.2828, 57.2264, 161.8538

Sweetspot

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



59.2245, 57.2293, 7.9255



79.0061, 83.8543, 54.4046



42.2837, 21.6778, 7.4269



16.5159, 17.5158, 10.4135



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.



59.2245, 57.2293, 7.9255



59.2237, 57.2273, 7.9246



58.3960, 83.1888, 12.9799



19.1337, 20.2355, 19.0417



31.0739, 30.1590, 4.1835



3.1147, 3.1147, 0.4370

Inverse Universe

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



20.0581, 11.2359, 95.7185



20.0570, 11.2341, 95.7190



19.8844, 8.1660, 95.1351



17.3910, 18.1537, 22.8374



10.5828, 6.0751, 50.0494



1.1149, 0.7605, 4.9013

Previews

White Background



This preview shows how the XYZ color 59.2232, 57.2264, 7.9244 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 59.2232, 57.2264, 7.9244 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 59.2232, 57.2264, 7.9244

Background



This preview shows how black text looks on a background with the XYZ color 59.2232, 57.2264, 7.9244.



This preview shows how white text looks on a background with the XYZ color 59.2232, 57.2264,

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

59.2232, 57.2264, 7.9244

Protanopia

51.7849, 57.3478, 8.7553

Deuteranopia

58.3425, 57.0906, 7.9446



Tritanopia

66.6544, 57.2179, 56.2463

Trichromacy



Original Color

59.2232, 57.2264, 7.9244

Protanomaly

54.3813, 57.3324, 8.4585

Deuteranomaly

58.7056, 57.2778, 7.9616

Tritanomaly

61.4191, 56.0964, 25.6797

Monochromacy



Original Color

59.2232, 57.2264, 7.9244

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.2515, 50.8696, 24.7285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2232, 57.2264, 7.9244 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, 188, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 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, 188, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 0) }
```

Border

The CSS property to change the border of an element to XYZ 59.2232, 57.2264, 7.9244 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, 188, 0) }
```


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

```
.border{ border-color:rgb(255, 188, 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, 188, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2232, 57.2264, 7.9244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 0) }
```

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

```
.background{ background-color: rgb(255,  
188, 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](#).

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