

Converting Colors

XYZ(57.8029, 53.4297, 10.3984)

Have a look what the booklet for
XYZ(57.8029, 53.4297, 10.3984)
contains.

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Color

**XYZ(57.7579, 53.3398,
10.3834)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB233
RGB	255, 178, 51
RGB Percent	100%, 70%, 20%
CMY	0.0000, 0.3019, 0.8000
CMYK	0.00, 0.30, 0.80, 0.00
HSL	37°, 100%, 60%
HSV	37°, 80%, 100%
XYZ	57.7579, 53.3398, 10.3834
YIQ	186.5450, 86.6590, -23.1730

Conversions

Conversions Part 2

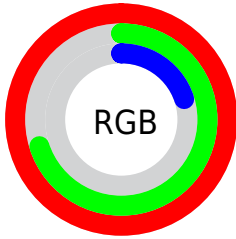
Format	Color
RYB	175, 255, 51
Decimal	16757299
CIELab	78.08, 18.01, 70.82
CIELCh	78, 73.079, 75.732
Yxy	53.3398, 0.4754, 0.4391
Android (android.graphics.Color)	4294947379 (0xFFFFB233)
YUV	186.5450, -66.8237, 60.0350
Hunter-Lab	73.0341, 13.3543, 42.6945

Details

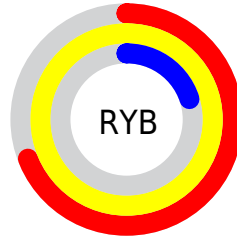
The XYZ color **57.7579, 53.3398, 10.3834** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **27.1341, 23.3613, 97.6860**, and the grayscale version is **47.3093, 49.7731, 54.2029**.

A 20% lighter version of the original color is **73.3696, 81.1883, 25.9913**, and **29.3259, 26.0047, 3.4738** is the 20% darker color. If you saturate the color by 10%, you get **55.4940, 49.4791, 7.5741**, and if you desaturate by 10%, it is **60.4663, 57.5978, 14.8604**.

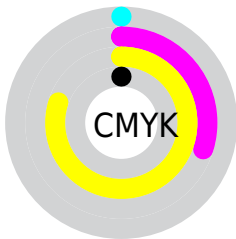
Distribution



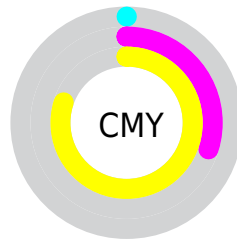
- Red (100%)
- Green (70%)
- Blue (20%)



- Red (69%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (30%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (30%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7579, 53.3398, 10.3834 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 57.7579, 53.3398, 10.3834 by changing the saturation by 10% instead.


 57.7579, 53.3398,
10.3834


 57.7579, 53.3398,
10.3834


406.2516,
399.5874, 203.9702


 41.8566, 38.0741,
5.5450


 100.6952, 95.1042,
27.1332


 29.1796, 26.0402,
2.5062


 128.4619,
122.3717, 39.8816


 19.3617, 16.8537,
0.8434


 160.9144,
154.4085, 56.1039

 12.0375, 10.1303,
0.0000

 198.4181,
191.5992, 76.2184

 6.8416, 5.4854,
0.0000

 241.3383,
234.3280, 100.6437

 3.4087, 2.5348,
0.0000

 290.0404,

 1.3734, 0.8940,

282.9794, 129.7984

0.0000

344.8897,
337.9377, 164.1011

■ 0.2371, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.7579, 53.3398,
10.3834

■ 57.7579, 53.3398,
10.3834

■ 55.4940, 49.4791,
7.5741

■ 60.4663, 57.5978,
14.8604

■ 53.5964, 45.9732,
6.0490

■ 63.6625, 62.2679,
21.2351

■ 53.5960, 45.9725,
6.0488

■ 67.3871, 67.3727,
29.7040

■ 71.6750, 72.9303,
40.4381

■ 76.5575, 78.9569,
53.5906

■ 82.0634, 85.4681,
69.3011

■ 88.2195, 92.4781,
87.6986

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.



72.3385, 53.3398, 18.0504



57.7579, 53.3398, 10.3834



43.6231, 53.3398, 10.5490

Triad

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



57.7579, 53.3398, 10.3834



28.6264, 53.3398, 82.0686



72.9680, 53.3398, 131.9122

Complementary

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



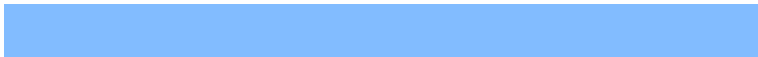
57.7579, 53.3398, 10.3834



27.1341, 23.3613, 97.6860

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.



58.4989, 53.3398, 171.1442



57.7579, 53.3398, 10.3834



33.8709, 53.3398, 134.3780

Square

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



57.7579, 53.3398, 10.3834



28.5027, 53.3398, 40.7995



44.2380, 53.3398, 172.2134



82.1727, 53.3398, 79.6532

Rectangle

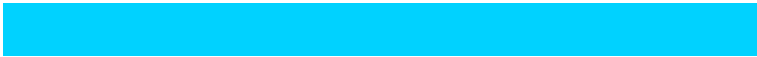
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.7579, 53.3398, 10.3834



36.3160, 53.3398, 14.8189



44.2380, 53.3398, 172.2134



68.4492, 53.3398, 147.9496

Sweetspot

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



57.7591, 53.3425, 10.3844



79.7841, 82.8040, 62.6989



46.3996, 25.2183, 23.2616



16.6610, 17.2299, 12.2380



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.



57.7591, 53.3425, 10.3844



54.3234, 47.3374, 6.5668



69.3768, 88.7806, 16.6123



18.9515, 19.8712, 18.9810



28.1537, 24.3187, 3.2101



2.8465, 2.5784, 0.3476

Inverse Universe

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



27.1341, 23.3613, 97.6860



22.9875, 16.9055, 96.6593



22.1202, 11.0760, 95.5789



17.5648, 18.5011, 22.8953



11.7607, 8.4309, 50.4421



1.2462, 1.0231, 4.9451

Previews

White Background



This preview shows how the XYZ color 57.7579, 53.3398, 10.3834 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 57.7579, 53.3398, 10.3834 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 57.7579, 53.3398, 10.3834

Background



This preview shows how black text looks on a background with the XYZ color 57.7579, 53.3398, 10.3834.



This preview shows how white text looks on a background with the XYZ color 57.7579, 53.3398,

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

57.7579, 53.3398, 10.3834

Protanopia

48.5966, 53.6111, 11.4011

Deuteranopia

54.6570, 53.5574, 10.3626



Tritanopia

63.9552, 53.3456, 50.6420

Trichromacy



Original Color

57.7579, 53.3398, 10.3834

Protanomaly

51.6041, 53.2217, 11.0430

Deuteranomaly

55.6614, 53.4603, 10.4028

Tritanomaly

60.4866, 52.8684, 29.5709

Monochromacy



Original Color

57.7579, 53.3398, 10.3834

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

48.8793, 50.1130, 31.1413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7579, 53.3398, 10.3834 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, 178, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 51)  
}
```

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, 178, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 51) }
```

Border

The CSS property to change the border of an element to XYZ 57.7579, 53.3398, 10.3834 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, 178, 51) }
```


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

```
.border{ border-color:rgb(255, 178, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 178, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7579, 53.3398, 10.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 51) }
```

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

```
.background{ background-color: rgb(255,  
178, 51) }
```

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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