

Converting Colors

XYZ(59.4053, 56.6346, 10.9325)

Have a look what the booklet for
XYZ(59.4053, 56.6346, 10.9325)
contains.

XYZ(59.3964, 56.6168, 10.9296)	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(59.3964, 56.6168,
10.9296)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBA33
RGB	255, 186, 51
RGB Percent	100%, 73%, 20%
CMY	0.0000, 0.2706, 0.8000
CMYK	0.00, 0.27, 0.80, 0.00
HSL	40°, 100%, 60%
HSV	40°, 80%, 100%
XYZ	59.3964, 56.6168, 10.9296
YIQ	191.2410, 84.4590, -27.3570

Conversions

Conversions Part 2

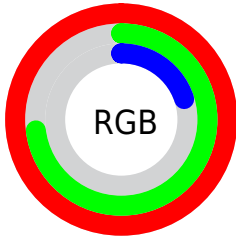
Format	Color
RYB	155, 255, 51
Decimal	16759347
CIELab	79.96, 13.84, 72.51
CIELCh	80, 73.814, 79.194
Yxy	56.6168, 0.4679, 0.4460
Android (android.graphics.Color)	4294949427 (0xFFFFBA33)
YUV	191.2410, -69.1388, 55.9166
Hunter-Lab	75.2441, 9.2275, 44.0587

Details

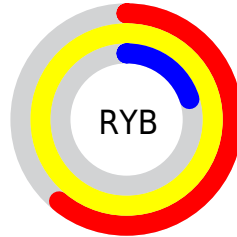
The XYZ color **59.3964, 56.6168, 10.9296** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **26.1315, 21.3562, 97.3518**, and the grayscale version is **50.0174, 52.6222, 57.3055**.

A 20% lighter version of the original color is **75.6989, 85.8470, 26.7677**, and **30.3798, 28.1125, 3.8251** is the 20% darker color. If you saturate the color by 10%, you get **57.2185, 52.9279, 8.1489**, and if you desaturate by 10%, it is **61.9944, 60.6538, 15.3699**.

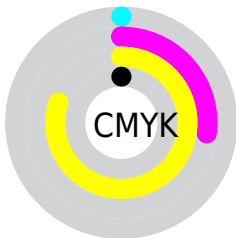
Distribution



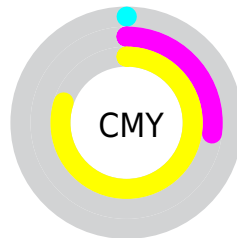
- Red (100%)
- Green (73%)
- Blue (20%)



- Red (61%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (27%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (27%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3964, 56.6168, 10.9296 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 59.3964, 56.6168, 10.9296 by changing the saturation by 10% instead.


 59.3964, 56.6168,
10.9296


 59.3964, 56.6168,
10.9296


412.2398,
412.0119, 207.9040


 43.1799, 40.6977,
5.9059


 103.0649, 99.9058,
28.1646


 30.2214, 28.0829,
2.7201


 131.2476,
128.0445, 41.2130


 20.1556, 18.3882,
0.9535


 164.1498,
161.0252, 57.7733

 12.6171, 11.2290,
0.0000

 202.1368,
199.2322, 78.2642

 7.2406, 6.2211,
0.0000

 245.5739,
243.0500, 103.1042

 3.6607, 2.9800,
0.0000

294.8265,

 1.5120, 1.1213,

292.8629, 132.7118

0.0000

350.2601,
349.0554, 167.5056

■ 0.3340, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.3964, 56.6168,
10.9296

■ 59.3964, 56.6168,
10.9296

■ 57.2185, 52.9279,
8.1489

■ 61.9944, 60.6538,
15.3699

■ 55.3828, 49.5460,
6.6445

■ 65.0545, 65.0519,
21.6993

■ 55.3824, 49.5453,
6.6442

■ 68.6168, 69.8322,
30.1142

■ 72.7155, 75.0112,
40.7853

■ 77.3811, 80.6041,
53.8655

■ 82.6418, 86.6247,
69.4943

■ 88.5236, 93.0861,
87.8005

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.



74.9200, 56.6168, 17.9098



59.3964, 56.6168, 10.9296



44.8859, 56.6168, 11.9453

Triad

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



59.3964, 56.6168, 10.9296



30.9329, 56.6168, 92.9451



78.6970, 56.6168, 132.8110

Complementary

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



59.3964, 56.6168, 10.9296



26.1315, 21.3562, 97.3518

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.



63.8507, 56.6168, 177.0069



59.3964, 56.6168, 10.9296



37.0962, 56.6168, 147.5608

Square

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



59.3964, 56.6168, 10.9296



30.1850, 56.6168, 47.4354



48.5901, 56.6168, 183.3924



87.3608, 56.6168, 78.4443

Rectangle

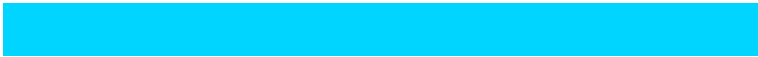
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.3964, 56.6168, 10.9296



37.5827, 56.6168, 17.2634



48.5901, 56.6168, 183.3924



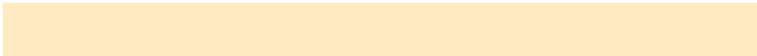
74.1487, 56.6168, 150.2462

Sweetspot

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



59.3977, 56.6196, 10.9307



80.4640, 84.1637, 62.9256



45.9616, 25.0431, 20.9550



16.8251, 17.5580, 12.2927



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.



59.3977, 56.6196, 10.9307



56.0878, 50.8662, 7.1549



67.2219, 87.6697, 16.5116



19.0135, 19.9951, 19.0017



29.0825, 26.1762, 3.5197



2.9328, 2.7510, 0.3764

Inverse Universe

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



26.1315, 21.3562, 97.3518



22.0914, 15.1133, 96.3606



22.6793, 11.3642, 95.6051



17.5051, 18.3817, 22.8754



11.3036, 7.5168, 50.2897



1.1969, 0.9245, 4.9286

Previews

White Background



This preview shows how the XYZ color 59.3964, 56.6168, 10.9296 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 59.3964, 56.6168, 10.9296 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 59.3964, 56.6168, 10.9296

Background



This preview shows how black text looks on a background with the XYZ color 59.3964, 56.6168, 10.9296.



This preview shows how white text looks on a background with the XYZ color 59.3964, 56.6168,

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

59.3964, 56.6168, 10.9296

Protanopia

51.5207, 56.8012, 11.7383

Deuteranopia

57.9833, 56.5207, 10.8712



Tritanopia

66.0392, 56.3351, 54.9701

Trichromacy



Original Color

59.3964, 56.6168, 10.9296

Protanomaly

54.1953, 56.5028, 11.4179

Deuteranomaly

58.4909, 56.4664, 10.8339

Tritanomaly

62.1487, 55.7375, 31.5276

Monochromacy



Original Color

59.3964, 56.6168, 10.9296

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

50.6628, 52.5848, 32.2906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3964, 56.6168, 10.9296 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, 186, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 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, 186, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 51) }
```

Border

The CSS property to change the border of an element to XYZ 59.3964, 56.6168, 10.9296 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, 186, 51) }
```


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

```
.border{ border-color:rgb(255, 186, 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, 186, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3964, 56.6168, 10.9296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 51) }
```

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

```
.background{ background-color: rgb(255,  
186, 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](#).

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