

Converting Colors

XYZ(28.1703, 39.9353, 37.9762)

Have a look what the booklet for
XYZ(28.1703, 39.9353, 37.9762)
contains.

| | |
|--|----|
| XYZ(28.1589, 39.8793, 38.1116) | 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(28.1589, 39.8793,
38.1116)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5DBA9D |
| RGB | 93, 186, 157 |
| RGB Percent | 36%, 73%, 62% |
| CMY | 0.6353, 0.2706, 0.3843 |
| CMYK | 0.50, 0.00, 0.16, 0.27 |
| HSL | 161°, 40%, 55% |
| HSV | 161°, 50%, 73% |
| XYZ | 28.1589, 39.8793, 38.1116 |
| YIQ | 154.8870, -46.1190, -28.7350 |

Conversions

Conversions Part 2

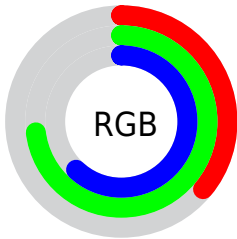
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 93, 148, 186 |
| Decimal | 6142621 |
| CIELab | 69.38, -34.71, 6.26 |
| CIElCh | 69, 35.272, 169.771 |
| Yxy | 39.8793, 0.2653, 0.3757 |
| Android (android.graphics.Color) | 4284332701 (0xFF5DBA9D) |
| YUV | 154.8870, 1.0417, -54.2749 |
| Hunter-Lab | 63.1501, -30.9186, 8.4230 |

Details

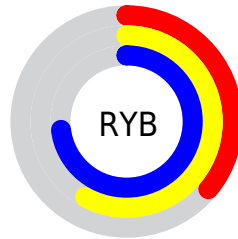
The XYZ color **28.1589, 39.8793, 38.1116** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **27.6782, 19.6740, 20.7525**, and the grayscale version is **31.1168, 32.7373, 35.6509**.

A 20% lighter version of the original color is **56.3287, 75.2442, 73.8421**, and **11.4484, 17.8502, 16.4777** is the 20% darker color. If you saturate the color by 10%, you get **26.0170, 38.8320, 35.4879**, and if you desaturate by 10%, it is **30.7844, 41.1752, 40.8824**.

Distribution



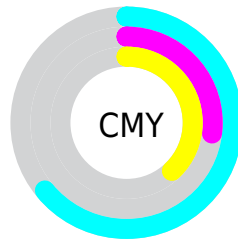
- Red (36%)
- Green (73%)
- Blue (62%)



- Red (36%)
- Yellow (58%)
- Blue (73%)



- Cyan (50%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)



- Cyan (64%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1589, 39.8793, 38.1116 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 28.1589, 39.8793, 38.1116 by changing the saturation by 10% instead.

■ 28.1589, 39.8793,
38.1116

■ 28.1589, 39.8793,
38.1116

285.2917,
345.6146, 353.4110

■ 18.5865, 27.4444,
25.7668

■ 56.1449, 74.9797,
73.4845

■ 11.4741, 17.9073,
16.4251

■ 75.2893, 98.4140,
97.3497

■ 6.4563, 10.8835,
9.6678

■ 98.3550, 126.2836,
125.8920

■ 3.1678, 5.9885,
5.0766

■ 125.7075,
158.9729, 159.5302

■ 1.2431, 2.8381,
2.2327

157.7120,
196.8662, 198.6826

■ 0.1400, 1.0478,
0.6932

194.7340,

■ 0.0000, 0.0000,

240.3480, 243.7678

0.0000

237.1388,
289.8027, 295.2045

■ 28.1589, 39.8793,
38.1116

■ 28.1589, 39.8793,
38.1116

■ 26.0170, 38.8320,
35.4879

■ 30.7844, 41.1752,
40.8824

■ 24.3212, 38.0110,
33.0053

■ 33.9209, 42.7308,
43.8007

■ 23.0340, 37.3980,
30.6611

■ 37.5976, 44.5621,
46.8703

■ 22.1096, 36.9693,
28.4516

■ 41.8404, 46.6824,
50.0940

■ 21.4559, 36.6777,
26.3705

■ 46.6737, 49.1042,
53.4745

■ 21.4558, 36.6777,
26.3704

■ 52.1203, 51.8393,
57.0144

■ 58.2017, 54.8988,
60.7162

■ 64.9386, 58.2932,
64.5824

■ 70.3337, 60.9929,
68.5209

Harmonies

Analogous

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



30.1777, 39.8793, 26.2224



28.1589, 39.8793, 38.1116



28.5455, 39.8793, 54.8581

Triad

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



28.1589, 39.8793, 38.1116



41.7113, 39.8793, 79.9137



45.3872, 39.8793, 23.6860

Complementary

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



28.1589, 39.8793, 38.1116



27.6782, 19.6740, 20.7525

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.



49.1126, 39.8793, 33.6967



28.1589, 39.8793, 38.1116



46.8481, 39.8793, 66.8597

Square

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



28.1589, 39.8793, 38.1116



36.0015, 39.8793, 81.9487



49.6723, 39.8793, 49.2036



39.8725, 39.8793, 19.3796

Rectangle

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



28.1589, 39.8793, 38.1116



30.1296, 39.8793, 66.6051



49.6723, 39.8793, 49.2036



46.9127, 39.8793, 26.3593

Sweetspot

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



28.1600, 39.8809, 38.1125



71.6682, 82.5274, 87.6929



27.6258, 40.0803, 16.6368



15.4302, 17.9979, 19.0405



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.1600, 39.8809, 38.1125



46.8149, 70.2168, 63.8629



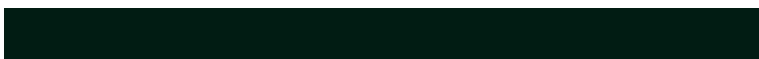
27.5570, 34.2311, 51.6111



9.1442, 10.1617, 10.9168



14.4692, 24.6886, 17.9244



0.5366, 0.8809, 0.7715

Inverse Universe

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



27.6782, 19.6740, 20.7525



45.8688, 29.4123, 28.9402



27.8080, 22.3931, 13.2132



9.1169, 9.0571, 9.9629



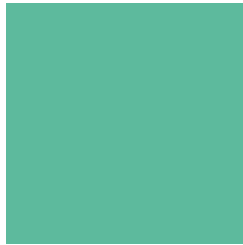
14.1674, 7.2407, 3.5024



0.5282, 0.2668, 0.2748

Previews

White Background



This preview shows how the XYZ color 28.1589, 39.8793, 38.1116 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 28.1589, 39.8793, 38.1116 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 28.1589, 39.8793, 38.1116

Background



This preview shows how black text looks on a background with the XYZ color 28.1589, 39.8793, 38.1116.

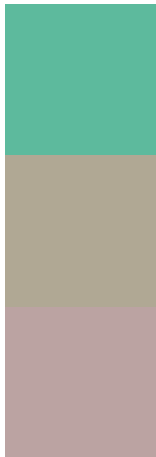


This preview shows how white text looks on a background with the XYZ color 28.1589, 39.8793,

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

28.1589, 39.8793, 38.1116

Protanopia

37.2524, 39.3735, 33.6534

Deuteranopia

40.1123, 39.3678, 39.6670



Tritanopia

32.0831, 39.9309, 57.6462

Trichromacy



Original Color

28.1589, 39.8793, 38.1116

Protanomaly

32.7699, 39.0053, 35.0798

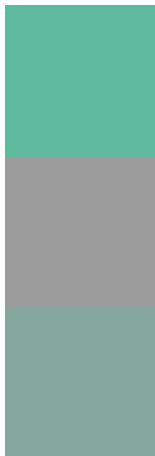
Deuteranomaly

34.0449, 38.4362, 38.8823

Tritanomaly

30.5295, 39.9125, 49.8109

Monochromacy



Original Color

28.1589, 39.8793, 38.1116

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.1527, 34.5783, 36.5903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1589, 39.8793, 38.1116 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(93, 186, 157)` looks like.

```
.text, #text, p{  
    color:rgb(93, 186, 157)  
}
```

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(93, 186, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 186, 157) }
```

Border

The CSS property to change the border of an element to XYZ 28.1589, 39.8793, 38.1116 is called "border". The border property can be set on classes, ids or directly on the HTML element.

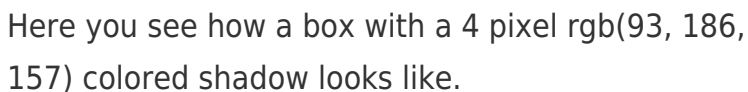
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 186, 157) }
```


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

```
.border{ border-color:rgb(93, 186, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 186, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 186, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 186, 157);  
box-shadow:4px 4px 4px 4px rgb(93, 186,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1589, 39.8793, 38.1116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 186, 157) }
```

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

```
.background{ background-color: rgb(93, 186,  
157) }
```

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