

Converting Colors

XYZ(26.9368, 38.8178, 58.4455)

Have a look what the booklet for
XYZ(26.9368, 38.8178, 58.4455)
contains.

XYZ(27.5227, 39.1033, 58.3217)	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(27.5227, 39.1033,
58.3217)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAC4
RGB	0, 186, 196
RGB Percent	0%, 73%, 77%
CMY	0.9998, 0.2706, 0.2314
CMYK	1.00, 0.05, 0.00, 0.23
HSL	183°, 100%, 38%
HSV	183°, 100%, 77%
XYZ	27.5227, 39.1033, 58.3217
YIQ	131.5260, -114.0660, -36.3220

Conversions

Conversions Part 2

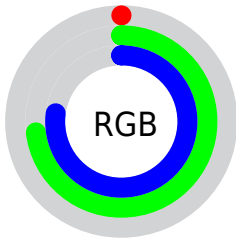
Format	Color
RYB	0, 95, 196
Decimal	47812
CIELab	68.83, -34.84, -16.17
CIELCh	69, 38.409, 204.903
Yxy	39.1033, 0.2203, 0.3130
Android (android.graphics.Color)	4278237892 (0xFF00BAC4)
YUV	131.5260, 31.7857, -115.3483
Hunter-Lab	62.5326, -30.8683, -11.5246

Details

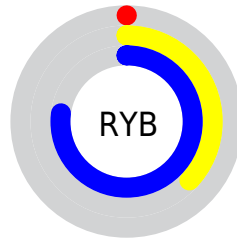
The XYZ color **27.5227, 39.1033, 58.3217** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **22.8745, 11.9540, 1.1029**, and the grayscale version is **21.6854, 22.8148, 24.8453**.

A 20% lighter version of the original color is **55.2597, 74.0178, 104.3029**, and **13.1337, 18.4555, 28.4612** is the 20% darker color. If you saturate the color by 10%, you get **27.5229, 39.1036, 58.3225**, and if you desaturate by 10%, it is **28.0161, 39.6723, 58.4063**.

Distribution



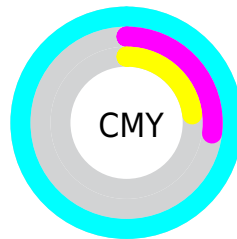
- Red (0%)
- Green (73%)
- Blue (77%)



- Red (0%)
- Yellow (37%)
- Blue (77%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (27%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5227, 39.1033, 58.3217 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 27.5227, 39.1033, 58.3217 by changing the saturation by 10% instead.

■ 27.5227, 39.1033,
58.3217

■ 27.5227, 39.1033,
58.3217

282.3007,
342.3295, 436.0153

■ 18.1048, 26.8401,
41.6509

■ 55.1355, 73.7961,
103.9106

■ 11.1254, 17.4532,
28.5045

■ 74.0611, 96.9945,
133.6658

■ 6.2192, 10.5581,
18.4640

■ 96.8866, 124.6067,
168.6195

■ 3.0207, 5.7705,
11.1107

■ 123.9774,
157.0172, 209.1903

■ 1.1647, 2.7061,
6.0263

■ 155.6989,
194.6103, 255.7968

■ 0.0782, 0.9803,
2.7920

192.4164,

■ 0.0000, 0.0000,

237.7705, 308.8574

0.9894

234.4952,
286.8821, 368.7907

■ 0.0000, 0.0000,
0.0000

■ 27.5227, 39.1033,
58.3217

■ 27.5227, 39.1033,
58.3217

■ 27.5229, 39.1036,
58.3225

■ 28.0161, 39.6723,
58.4063

■ 28.7937, 40.3893,
58.5037

■ 29.9565, 41.3070,
58.6195

■ 31.5563, 42.4522,
58.7562

■ 33.6370, 43.8475,
58.9159

■ 36.2370, 45.5128,
59.1003

■ 39.3910, 47.4658,
59.3110

■ 43.1305, 49.7229,
59.5496

■ 47.4847, 52.2991,
59.8174

Harmonies

Analogous

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



26.6780, 39.1033, 39.6656



27.5227, 39.1033, 58.3217



30.8305, 39.1033, 76.3425

Triad

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



27.5227, 39.1033, 58.3217



47.5971, 39.1033, 64.9230



38.2169, 39.1033, 17.1425

Complementary

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



27.5227, 39.1033, 58.3217



22.8745, 11.9540, 1.1029

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.



44.3160, 39.1033, 20.6060



27.5227, 39.1033, 58.3217



50.0965, 39.1033, 45.6272

Square

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



27.5227, 39.1033, 58.3217



42.3200, 39.1033, 80.8262



48.8349, 39.1033, 29.9561



32.4493, 39.1033, 18.8229

Rectangle

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



27.5227, 39.1033, 58.3217



34.1985, 39.1033, 83.8704



48.8349, 39.1033, 29.9561



40.3015, 39.1033, 17.7076

Sweetspot

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



27.5239, 39.1047, 58.3227



71.0524, 85.7990, 107.4237



19.7947, 39.5023, 6.8640



14.6621, 18.0286, 22.9570



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.



27.5239, 39.1047, 58.3227



49.7988, 70.7175, 105.6329



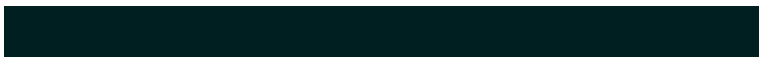
13.4726, 11.0021, 53.6389



10.3231, 11.3375, 12.9291



17.7041, 25.1646, 37.4808



0.7787, 1.1147, 1.6240

Inverse Universe

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



31.6289, 15.2821, 47.7385



57.2653, 27.6701, 86.3181



28.1091, 22.4231, 2.8478



10.4744, 10.2384, 12.5886



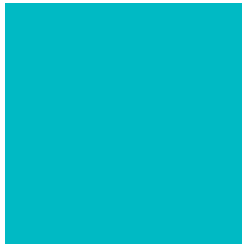
20.3322, 9.8226, 30.7249



0.8854, 0.4272, 1.3640

Previews

White Background



This preview shows how the XYZ color 27.5227, 39.1033, 58.3217 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 27.5227, 39.1033, 58.3217 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

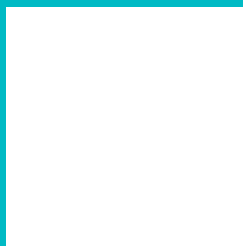
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5227, 39.1033, 58.3217

Background



This preview shows how black text looks on a background with the XYZ color 27.5227, 39.1033, 58.3217.



This preview shows how white text looks on a background with the XYZ color 27.5227, 39.1033,

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

27.5227, 39.1033, 58.3217

Protanopia

37.7005, 38.6907, 50.2808

Deuteranopia

39.3657, 38.5184, 60.6183



Tritanopia

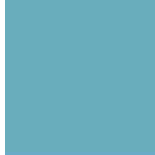
28.0835, 39.0275, 60.6965

Trichromacy



Original Color

27.5227, 39.1033, 58.3217



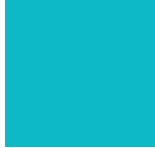
Protanomaly

29.8464, 36.5212, 53.0532



Deuteranomaly

30.8156, 36.3135, 59.4179



Tritanomaly

27.8237, 38.9070, 60.0762

Monochromacy



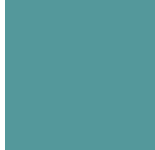
Original Color

27.5227, 39.1033, 58.3217



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.8008, 26.7078, 35.0692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5227, 39.1033, 58.3217 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(0, 186, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 196)  
}
```

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(0, 186, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 196) }
```

Border

The CSS property to change the border of an element to XYZ 27.5227, 39.1033, 58.3217 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(0, 186, 196) }
```


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

```
.border{ border-color:rgb(0, 186, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5227, 39.1033, 58.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 196) }
```

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

```
.background{ background-color: rgb(0, 186,  
196) }
```

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