

Converting Colors

XYZ(27.0556, 38.2960, 56.1589)

Have a look what the booklet for
XYZ(27.0556, 38.2960, 56.1589)
contains.

XYZ(27.0970, 38.3018, 56.4169)	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(27.0970, 38.3018,
56.4169)**

Conversions

Conversions Part 1

Format	Color
Hex	16B8C1
RGB	22, 184, 193
RGB Percent	9%, 72%, 76%
CMY	0.9136, 0.2784, 0.2431
CMYK	0.89, 0.05, 0.00, 0.24
HSL	183°, 80%, 42%
HSV	183°, 89%, 76%
XYZ	27.0970, 38.3018, 56.4169
YIQ	136.5880, -99.4410, -31.5450

Conversions

Conversions Part 2

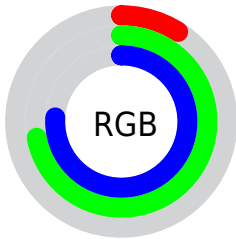
Format	Color
RYB	22, 105, 193
Decimal	1489089
CIELab	68.24, -34.04, -15.39
CIElCh	68, 37.355, 204.333
Yxy	38.3018, 0.2224, 0.3144
Android (android.graphics.Color)	4279679169 (0xFF16B8C1)
YUV	136.5880, 27.8111, -100.4937
Hunter-Lab	61.8884, -30.1510, -10.7263

Details

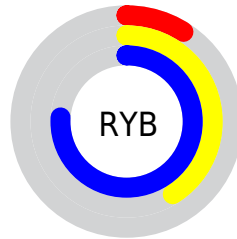
The XYZ color **27.0970, 38.3018, 56.4169** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **22.6282, 12.3767, 1.9565**, and the grayscale version is **23.5509, 24.7774, 26.9826**.

A 20% lighter version of the original color is **54.4980, 72.8143, 100.8048**, and **12.7163, 17.8587, 27.5878** is the 20% darker color. If you saturate the color by 10%, you get **26.5906, 37.7294, 56.3338**, and if you desaturate by 10%, it is **27.9060, 39.0340, 56.5163**.

Distribution



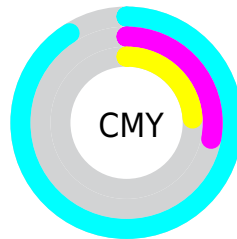
- Red (9%)
- Green (72%)
- Blue (76%)



- Red (9%)
- Yellow (41%)
- Blue (76%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)



- Cyan (91%)
- Magenta (28%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0970, 38.3018, 56.4169 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 27.0970, 38.3018, 56.4169 by changing the saturation by 10% instead.

■ 27.0970, 38.3018,
56.4169

■ 27.0970, 38.3018,
56.4169

280.2855,
338.9128, 428.6931

■ 17.7831, 26.2170,
40.1310

■ 54.4583, 72.5705,
101.1057

■ 10.8931, 16.9861,
27.3262

■ 73.2363, 95.5232,
130.3458

■ 6.0617, 10.2246,
17.5837

■ 95.8997, 122.8673,
164.7410

■ 2.9237, 5.5481,
10.4852

■ 122.8139,
154.9872, 204.7099

■ 1.1135, 2.5723,
5.6120

■ 154.3443,
192.2673, 250.6710

■ 0.0364, 0.9128,
2.5457

190.8560,

■ 0.0000, 0.0000,

235.0920, 303.0429

0.8642

232.7147,
283.8457, 362.2441

■ 0.0000, 0.0000,
0.0000

■ 27.0970, 38.3018,
56.4169

■ 27.0970, 38.3018,
56.4169

■ 26.5906, 37.7294,
56.3338

■ 27.9060, 39.0340,
56.5163

■ 26.5270, 37.6528,
56.3224

■ 29.0932, 39.9627,
56.6330

■ 30.7085, 41.1143,
56.7701

■ 32.7931, 42.5101,
56.9297

■ 35.3834, 44.1689,
57.1133

■ 38.5124, 46.1076,
57.3226

■ 42.2100, 48.3418,
57.5590

■ 46.5042, 50.8858,
57.8237

■ 51.4209, 53.7530,
58.1180

Harmonies

Analogous

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



26.3297, 38.3018, 38.6066



27.0970, 38.3018, 56.4169



30.2387, 38.3018, 73.6880

Triad

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



27.0970, 38.3018, 56.4169



46.3167, 38.3018, 63.4202



37.5255, 38.3018, 17.1799

Complementary

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



27.0970, 38.3018, 56.4169



22.6282, 12.3767, 1.9565

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.



43.3566, 38.3018, 20.6444



27.0970, 38.3018, 56.4169



48.7688, 38.3018, 44.9631

Square

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



27.0970, 38.3018, 56.4169



41.2331, 38.3018, 78.4305



47.6316, 38.3018, 29.8013



31.9688, 38.3018, 18.7191

Rectangle

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



27.0970, 38.3018, 56.4169



33.4541, 38.3018, 80.9913



47.6316, 38.3018, 29.8013



39.5239, 38.3018, 17.7611

Sweetspot

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



27.0982, 38.3032, 56.4178



69.6940, 83.0170, 102.7109



19.6433, 38.4080, 7.6451



14.5055, 17.5367, 22.0057



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.0982, 38.3032, 56.4178



47.4508, 67.3182, 100.8531



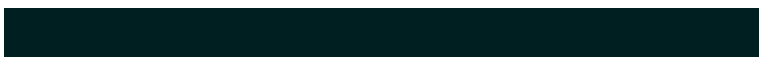
14.4155, 12.9378, 52.1903



10.3217, 11.3347, 12.9286



17.6621, 25.0807, 37.4668



0.7773, 1.1119, 1.6235

Inverse Universe

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



30.9320, 15.3731, 46.6858



54.6377, 26.4052, 82.1446



28.3901, 23.9005, 3.8771



10.4737, 10.2381, 12.5848



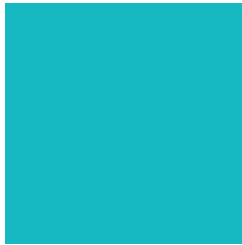
20.3110, 9.8141, 30.6134



0.8847, 0.4269, 1.3603

Previews

White Background



This preview shows how the XYZ color 27.0970, 38.3018, 56.4169 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 27.0970, 38.3018, 56.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

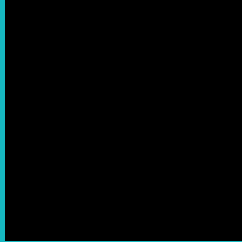
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

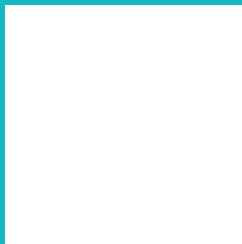
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0970, 38.3018, 56.4169

Background



This preview shows how black text looks on a background with the XYZ color 27.0970, 38.3018, 56.4169.

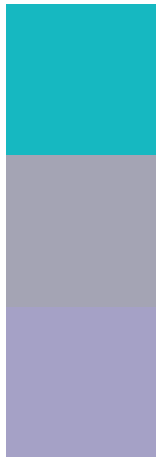


This preview shows how white text looks on a background with the XYZ color 27.0970, 38.3018,

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

27.0970, 38.3018, 56.4169

Protanopia

36.8235, 37.7387, 48.5235

Deuteranopia

38.4550, 37.5663, 58.6503



Tritanopia

27.6619, 38.2202, 59.3454

Trichromacy



Original Color

27.0970, 38.3018, 56.4169



Protanomaly

30.0020, 36.0733, 51.2805



Deuteranomaly

30.9618, 35.8722, 57.5167



Tritanomaly

27.3493, 38.0855, 58.1343

Monochromacy



Original Color

27.0970, 38.3018, 56.4169



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.3607, 27.9784, 36.1201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0970, 38.3018, 56.4169 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(22, 184, 193)` looks like.

```
.text, #text, p{  
    color:rgb(22, 184, 193)  
}
```

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(22, 184, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 184, 193) }
```

Border

The CSS property to change the border of an element to XYZ 27.0970, 38.3018, 56.4169 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(22, 184, 193) }
```


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

```
.border{ border-color:rgb(22, 184, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 184, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 184, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 184, 193);  
box-shadow:4px 4px 4px 4px rgb(22, 184,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0970, 38.3018, 56.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 184, 193) }
```

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

```
.background{ background-color: rgb(22, 184,  
193) }
```

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