

Converting Colors

XYZ(27.1238, 38.7811, 52.0410)

Have a look what the booklet for
XYZ(27.1238, 38.7811, 52.0410)
contains.

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Color

**XYZ(27.0608, 38.6929,
51.9412)**

Conversions

Conversions Part 1

Format	Color
Hex	2AB9B9
RGB	42, 185, 185
RGB Percent	16%, 73%, 73%
CMY	0.8352, 0.2745, 0.2745
CMYK	0.77, 0.00, 0.00, 0.27
HSL	180°, 63%, 45%
HSV	180°, 77%, 73%
XYZ	27.0608, 38.6929, 51.9412
YIQ	142.2430, -85.2280, -30.3160

Conversions

Conversions Part 2

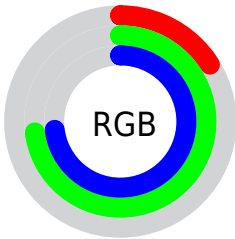
Format	Color
RYB	42, 114, 185
Decimal	2800057
CIELab	68.53, -35.42, -10.53
CIELCh	69, 36.949, 196.564
Yxy	38.6929, 0.2299, 0.3288
Android (android.graphics.Color)	4280990137 (0xFF2AB9B9)
YUV	142.2430, 21.0792, -87.9131
Hunter-Lab	62.2036, -31.2024, -5.9657

Details

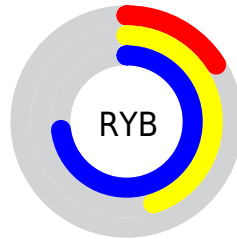
The XYZ color **27.0608, 38.6929, 51.9412** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.2548, 12.1387, 3.4146**, and the grayscale version is **25.7526, 27.0937, 29.5051**.

A 20% lighter version of the original color is **54.5687, 73.4325, 94.5169**, and **12.2812, 17.8985, 24.6373** is the 20% darker color. If you saturate the color by 10%, you get **26.4718, 38.3901, 51.9144**, and if you desaturate by 10%, it is **28.0012, 39.1786, 51.9862**.

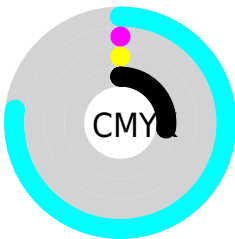
Distribution



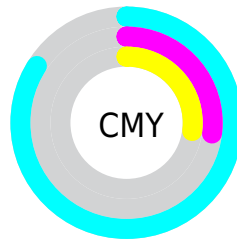
- Red (16%)
- Green (73%)
- Blue (73%)



- Red (16%)
- Yellow (45%)
- Blue (73%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)



- Cyan (84%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0608, 38.6929, 51.9412 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 27.0608, 38.6929, 51.9412 by changing the saturation by 10% instead.

■ 27.0608, 38.6929,
51.9412

■ 27.0608, 38.6929,
51.9412

280.1136,
340.5831, 411.1601

■ 17.7557, 26.5209,
36.5763

■ 54.4006, 73.1689,
94.4702

■ 10.8734, 17.2137,
24.5864

■ 73.1661, 96.2418,
122.4714

■ 6.0484, 10.3870,
15.5530

■ 95.8157, 123.7170,
155.5218

■ 2.9155, 5.6563,
9.0575

■ 122.7148,
155.9790, 194.0398

■ 1.1092, 2.6372,
4.6814

■ 154.2288,
193.4123, 238.4442

■ 0.0328, 0.9454,
2.0061

190.7230,

■ 0.0000, 0.0000,

236.4011, 289.1533

0.5590

232.5628,
285.3299, 346.5857

■ 0.0000, 0.0000,
0.0000

■ 27.0608, 38.6929,
51.9412

■ 27.0608, 38.6929,
51.9412

■ 26.4718, 38.3901,
51.9144

■ 28.0012, 39.1786,
51.9862

■ 26.1693, 38.2342,
51.9002

■ 29.3322, 39.8647,
52.0485

■ 26.1066, 38.2018,
51.8972

■ 31.0913, 40.7716,
52.1310

■ 33.3110, 41.9158,
52.2349

■ 36.0204, 43.3126,
52.3618

■ 39.2463, 44.9756,
52.5129

■ 43.0136, 46.9177,
52.6893

■ 47.3457, 49.1510,
52.8921

■ 52.2643, 51.6866,
53.1224

Harmonies

Analogous

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



26.9322, 38.6929, 35.1144



27.0608, 38.6929, 51.9412



29.6077, 38.6929, 69.9444

Triad

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



27.0608, 38.6929, 51.9412



45.5139, 38.6929, 68.2246



39.4380, 38.6929, 18.0173

Complementary

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



27.0608, 38.6929, 51.9412



21.2548, 12.1387, 3.4146

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.



45.0179, 38.6929, 22.8827



27.0608, 38.6929, 51.9412



48.7675, 38.6929, 50.0228

Square

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



27.0608, 38.6929, 51.9412



40.0592, 38.6929, 80.9117



48.5769, 38.6929, 33.6393



33.6781, 38.6929, 18.2754

Rectangle

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



27.0608, 38.6929, 51.9412



32.5035, 38.6929, 78.8989



48.5769, 38.6929, 33.6393



41.4083, 38.6929, 19.0386

Sweetspot

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



27.0620, 38.6943, 51.9421



66.6592, 78.6779, 93.8773



18.8235, 35.4105, 8.0345



13.9442, 16.7416, 20.2180



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.0620, 38.6943, 51.9421



46.9824, 68.5342, 92.9553



15.9454, 16.4611, 48.2372



9.2667, 10.2107, 11.5619



17.7757, 26.0112, 35.3363



0.6266, 0.9170, 1.2457

Inverse Universe

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



21.2548, 12.1387, 3.4146



36.1299, 18.9067, 2.2665



26.1244, 21.8780, 5.0377



9.0046, 9.0122, 9.3719



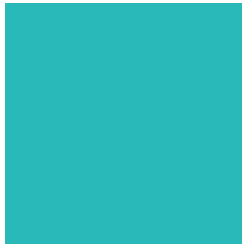
13.6234, 7.0231, 0.6376



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 27.0608, 38.6929, 51.9412 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 27.0608, 38.6929, 51.9412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

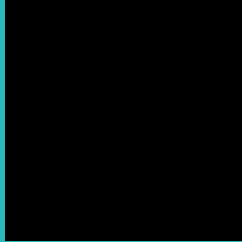
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

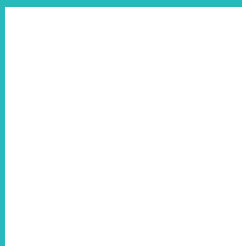
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.0608, 38.6929, 51.9412

Background



This preview shows how black text looks on a background with the XYZ color 27.0608, 38.6929, 51.9412.

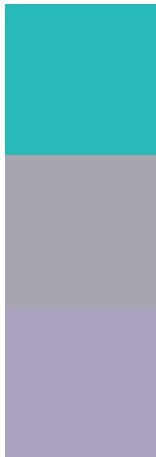


This preview shows how white text looks on a background with the XYZ color 27.0608, 38.6929,

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

27.0608, 38.6929, 51.9412

Protanopia

36.9343, 38.1429, 44.9508

Deuteranopia

38.7922, 38.1044, 54.0255



Tritanopia

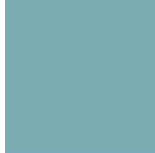
28.5427, 38.6743, 59.3866

Trichromacy



Original Color

27.0608, 38.6929, 51.9412



Protanomaly

30.7144, 36.8169, 47.0825



Deuteranomaly

31.6202, 36.5912, 52.9732



Tritanomaly

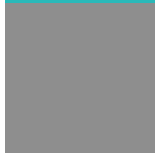
27.9851, 38.7596, 56.4585

Monochromacy



Original Color

27.0608, 38.6929, 51.9412



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.3423, 29.9865, 36.8528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0608, 38.6929, 51.9412 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(42, 185, 185)` looks like.

```
.text, #text, p{  
    color:rgb(42, 185, 185)  
}
```

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(42, 185, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 185, 185) }
```

Border

The CSS property to change the border of an element to XYZ 27.0608, 38.6929, 51.9412 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(42, 185, 185) }
```


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

```
.border{ border-color:rgb(42, 185, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 185, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 185, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 185, 185);  
box-shadow:4px 4px 4px 4px rgb(42, 185,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0608, 38.6929, 51.9412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 185, 185) }
```

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

```
.background{ background-color: rgb(42, 185,  
185) }
```

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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