

Converting Colors

XYZ(27.1132, 33.7400, 58.2628)

Have a look what the booklet for
XYZ(27.1132, 33.7400, 58.2628)
contains.

XYZ(27.2827, 33.9490, 58.5409)	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(27.2827, 33.9490,
58.5409)**

Conversions

Conversions Part 1

Format	Color
Hex	4BA9C6
RGB	75, 169, 198
RGB Percent	29%, 66%, 78%
CMY	0.7059, 0.3372, 0.2235
CMYK	0.62, 0.15, 0.00, 0.22
HSL	194°, 52%, 54%
HSV	194°, 62%, 78%
XYZ	27.2827, 33.9490, 58.5409
YIQ	144.2000, -65.3330, -10.9090

Conversions

Conversions Part 2

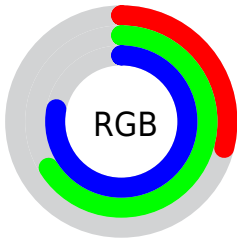
Format	Color
RYB	75, 128, 198
Decimal	4958662
CIELab	64.92, -18.97, -23.11
CIElCh	65, 29.900, 230.609
Yxy	33.9490, 0.2278, 0.2834
Android (android.graphics.Color)	4283148742 (0xFF4BA9C6)
YUV	144.2000, 26.5234, -60.6884
Hunter-Lab	58.2658, -18.3832, -18.7839

Details

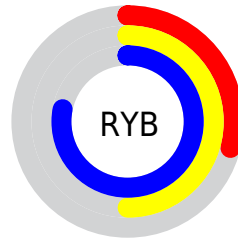
The XYZ color **27.2827, 33.9490, 58.5409** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **29.5101, 22.4158, 9.4293**, and the grayscale version is **26.5064, 27.8868, 30.3687**.

A 20% lighter version of the original color is **54.6973, 65.6822, 104.4028**, and **11.3953, 14.7362, 28.6293** is the 20% darker color. If you saturate the color by 10%, you get **25.1154, 31.5660, 58.1958**, and if you desaturate by 10%, it is **29.9650, 36.6449, 58.9205**.

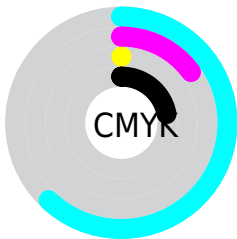
Distribution



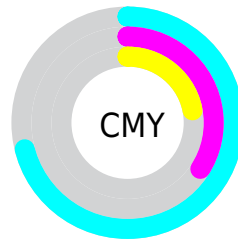
- Red (29%)
- Green (66%)
- Blue (78%)



- Red (29%)
- Yellow (50%)
- Blue (78%)



- Cyan (62%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (71%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2827, 33.9490, 58.5409 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 27.2827, 33.9490, 58.5409 by changing the saturation by 10% instead.

■ 27.2827, 33.9490,
58.5409

■ 27.2827, 33.9490,
58.5409

281.1660,
319.9046, 436.8529

■ 17.9233, 22.8544,
41.8261

■ 54.7539, 65.8544,
104.2327

■ 10.9943, 14.4861,
28.6406

■ 73.5964, 87.4339,
134.0467

■ 6.1303, 8.4595,
18.5659

■ 96.3307, 113.2773,
169.0642

■ 2.9659, 4.3903,
11.1834

■ 123.3221,
143.7688, 209.7037

■ 1.1357, 1.8942,
6.0746

154.9359,
179.2929, 256.3838

■ 0.0547, 0.5449,
2.8210

191.5376,

■ 0.0000, 0.0000,

220.2340, 309.5230

1.0040

233.4925,
266.9764, 369.5398

■ 0.0000, 0.0000,
0.0000

■ 27.2827, 33.9490,
58.5409

■ 27.2827, 33.9490,
58.5409

■ 25.1154, 31.5660,
58.1958

■ 29.9650, 36.6449,
58.9205

■ 23.4131, 29.4676,
57.8805

■ 33.1998, 39.6714,
59.3342

■ 22.1211, 27.6258,
57.5931

■ 37.0248, 43.0492,
59.7846

■ 21.3110, 26.3129,
57.3824

■ 41.4732, 46.7957,
60.2733

■ 46.5758, 50.9274,
60.8018

■ 52.3611, 55.4593,
61.3717

■ 58.8562, 60.4059,
61.9841

■ 66.0863, 65.7806,
62.6405

■ 74.0757, 71.5962,
63.3419

Harmonies

Analogous

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



25.1070, 33.9490, 45.9765



27.2827, 33.9490, 58.5409



30.9323, 33.9490, 65.7181

Triad

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



27.2827, 33.9490, 58.5409



41.1663, 33.9490, 40.9798



29.4340, 33.9490, 18.8840

Complementary

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



27.2827, 33.9490, 58.5409



29.5101, 22.4158, 9.4293

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.



33.6406, 33.9490, 18.1261



27.2827, 33.9490, 58.5409



40.6745, 33.9490, 29.2149

Square

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



27.2827, 33.9490, 58.5409



39.1148, 33.9490, 54.1905



37.8253, 33.9490, 21.4722



26.2700, 33.9490, 23.8411

Rectangle

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



27.2827, 33.9490, 58.5409



33.8194, 33.9490, 65.5895



37.8253, 33.9490, 21.4722



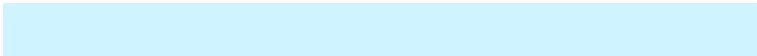
30.7638, 33.9490, 18.1806

Sweetspot

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



27.2838, 33.9502, 58.5417



75.8801, 84.8676, 106.9895



25.5803, 42.8783, 19.9466



15.7065, 17.7261, 22.8436



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.



27.2838, 33.9502, 58.5417



43.1721, 54.3496, 102.8228



18.4375, 16.2576, 55.5929



10.7266, 11.6273, 13.5964



13.9272, 17.2484, 37.3396



0.7123, 0.9225, 1.7857

Inverse Universe

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



32.9672, 19.9037, 39.6415



54.6808, 29.5472, 63.7341



38.0509, 39.4975, 12.2762



10.9720, 10.7722, 12.8360



18.8292, 9.2812, 20.1080



0.9182, 0.4501, 1.0926

Previews

White Background



This preview shows how the XYZ color 27.2827, 33.9490, 58.5409 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 27.2827, 33.9490, 58.5409 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 27.2827, 33.9490, 58.5409

Background



This preview shows how black text looks on a background with the XYZ color 27.2827, 33.9490, 58.5409.

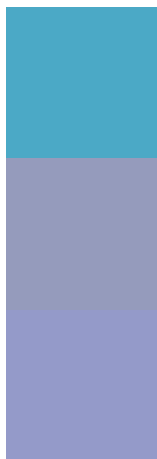


This preview shows how white text looks on a background with the XYZ color 27.2827, 33.9490,

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

27.2827, 33.9490, 58.5409

Protanopia

33.1929, 33.4631, 52.2865

Deuteranopia

34.3110, 33.6241, 59.9401



Tritanopia

25.7741, 33.8938, 51.0827

Trichromacy



Original Color

27.2827, 33.9490, 58.5409

Protanomaly

30.1113, 33.0850, 54.6682

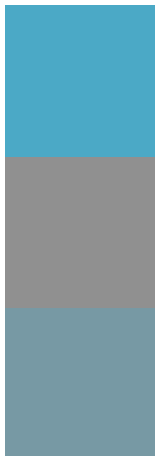
Deuteranomaly

30.7086, 33.0314, 59.4008

Tritanomaly

26.2675, 33.8067, 53.8561

Monochromacy



Original Color

27.2827, 33.9490, 58.5409

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.6998, 29.3847, 39.4393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2827, 33.9490, 58.5409 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(75, 169, 198)` looks like.

```
.text, #text, p{  
    color:rgb(75, 169, 198)  
}
```

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(75, 169, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 169, 198) }
```

Border

The CSS property to change the border of an element to XYZ 27.2827, 33.9490, 58.5409 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(75, 169, 198) }
```


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

```
.border{ border-color:rgb(75, 169, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 169, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 169, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 169, 198);  
box-shadow:4px 4px 4px 4px rgb(75, 169,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2827, 33.9490, 58.5409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 169, 198) }
```

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

```
.background{ background-color: rgb(75, 169,  
198) }
```

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