

Converting Colors

XYZ(8.9668, 19.8982, 67.3308)

Have a look what the booklet for
XYZ(8.9668, 19.8982, 67.3308)
contains.

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Color

**XYZ(23.4940, 27.3628,
68.3333)**

Conversions

Conversions Part 1

Format	Color
Hex	0098D7
RGB	0, 152, 215
RGB Percent	0%, 60%, 84%
CMY	0.9998, 0.4039, 0.1569
CMYK	1.00, 0.29, 0.00, 0.16
HSL	198°, 100%, 42%
HSV	198°, 100%, 84%
XYZ	23.4940, 27.3628, 68.3333
YIQ	113.7340, -110.8150, -12.6310

Conversions

Conversions Part 2

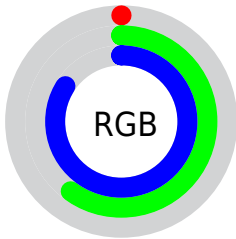
Format	Color
RYB	0, 89, 215
Decimal	39127
CIELab	59.31, -10.81, -41.39
CIELCh	59, 42.780, 255.358
Yxy	27.3628, 0.1971, 0.2296
Android (android.graphics.Color)	4278229207 (0xFF0098D7)
YUV	113.7340, 49.9241, -99.7447
Hunter-Lab	52.3095, -11.3710, -40.8355

Details

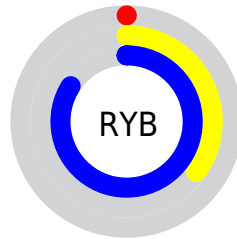
The XYZ color **23.4940, 27.3628, 68.3333** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.8052, 18.0080, 1.9065**, and the grayscale version is **15.7988, 16.6216, 18.1009**.

A 20% lighter version of the original color is **45.6008, 54.1874, 102.6635**, and **10.9988, 11.8454, 34.9644** is the 20% darker color. If you saturate the color by 10%, you get **23.4919, 27.3584, 68.3331**, and if you desaturate by 10%, it is **24.8656, 29.6291, 68.6990**.

Distribution



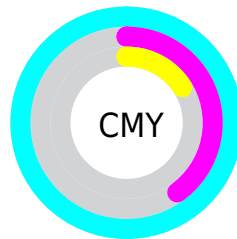
- Red (0%)
- Green (60%)
- Blue (84%)



- Red (0%)
- Yellow (35%)
- Blue (84%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4940, 27.3628, 68.3333 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 23.4940, 27.3628, 68.3333 by changing the saturation by 10% instead.

■ 23.4940, 27.3628,
68.3333

■ 23.4940, 27.3628,
68.3333

262.7404,
289.4095, 473.3061

■ 15.0814, 17.8459,
49.7006

■ 48.6639, 55.4655,
118.4875

■ 8.9632, 10.8394,
34.8060

■ 66.1519, 74.8201,
150.8461

■ 4.7741, 5.9589,
23.2311

■ 87.3958, 98.2226,
188.6171

■ 2.1487, 2.8201,
14.5574

■ 112.7609,
126.0576, 232.2189

■ 0.7155, 1.0386,
8.3662

■ 142.6126,
158.7094, 282.0702

■ 0.0000, 0.0000,
4.2390

177.3161,

■ 0.0000, 0.0000,

196.5624, 338.5895

1.7574

217.2370,
240.0009, 402.1953

■ 0.0000, 0.0000,
0.3996

■ 0.0000, 0.0000,
0.0000

■ 23.4940, 27.3628,
68.3333

■ 23.4940, 27.3628,
68.3333

■ 23.4919, 27.3584,
68.3331

■ 24.8656, 29.6291,
68.6990

■ 26.6482, 32.1889,
69.0992

■ 28.9615, 35.1053,
69.5402

■ 31.8716, 38.4136,
70.0253

■ 35.4345, 42.1438,
70.5576

■ 39.6995, 46.3224,
71.1393

■ 44.7106, 50.9732,
71.7729

■ 50.5083, 56.1182,
72.4604

■ 57.1299, 61.7776,
73.2038

Harmonies

Analogous

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



19.4307, 27.3628, 56.0423



23.4940, 27.3628, 68.3333



28.8271, 27.3628, 68.1676

Triad

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



23.4940, 27.3628, 68.3333



37.2363, 27.3628, 22.6546



19.3559, 27.3628, 13.5217

Complementary

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



23.4940, 27.3628, 68.3333



29.8052, 18.0080, 1.9065

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.



23.3781, 27.3628, 9.4631



23.4940, 27.3628, 68.3333



33.9225, 27.3628, 13.3685

Square

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



23.4940, 27.3628, 68.3333



37.2786, 27.3628, 37.8743



28.6942, 27.3628, 9.4187



17.2735, 27.3628, 22.9524

Rectangle

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



23.4940, 27.3628, 68.3333



32.4233, 27.3628, 60.8414



28.6942, 27.3628, 9.4187



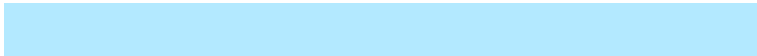
20.4994, 27.3628, 11.6521

Sweetspot

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



23.4950, 27.3637, 68.3340



65.5448, 74.7838, 105.5879



25.1424, 48.9381, 12.5293



13.3311, 15.3666, 22.5134



0.0000, 0.0000, 0.0000



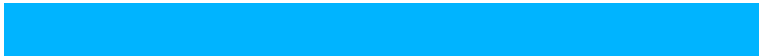
20.3446, 21.4041, 23.3091

Same Dimension

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



23.4950, 27.3637, 68.3340



34.4243, 39.9685, 100.5081



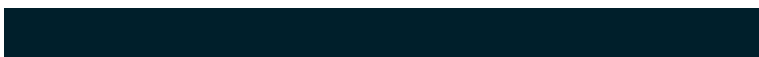
13.2681, 6.9098, 64.9250



12.4705, 13.4644, 15.8791



14.1465, 16.5548, 40.9030



0.9233, 1.1385, 2.4904

Inverse Universe

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



33.6928, 16.7154, 31.1571



49.5050, 24.5660, 45.4527



42.1068, 42.6111, 6.0070



12.7907, 12.5678, 14.8380



20.1994, 10.0161, 18.8858



1.2537, 0.6183, 1.3252

Previews

White Background



This preview shows how the XYZ color 23.4940, 27.3628, 68.3333 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4940, 27.3628, 68.3333 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 × Fail

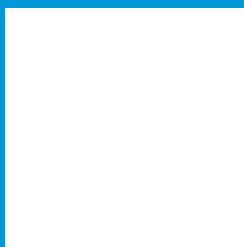
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4940, 27.3628, 68.3333

Background



This preview shows how black text looks on a background with the XYZ color 23.4940, 27.3628, 68.3333.

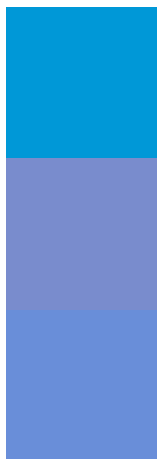


This preview shows how white text looks on a background with the XYZ color 23.4940, 27.3628,

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

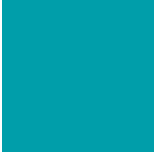
23.4940, 27.3628, 68.3333

Protanopia

28.2827, 27.2289, 61.5227

Deuteranopia

28.0231, 27.3590, 69.4495



Tritanopia

19.4826, 27.3560, 42.2836

Trichromacy



Original Color

23.4940, 27.3628, 68.3333



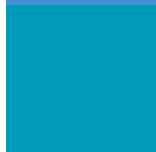
Protanomaly

24.5424, 26.1277, 64.0712



Deuteranomaly

24.9883, 26.7089, 68.8041



Tritanomaly

20.7514, 27.3221, 50.6344

Monochromacy



Original Color

23.4940, 27.3628, 68.3333



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

16.0527, 19.0892, 32.1167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4940, 27.3628, 68.3333 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, 152, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 215)  
}
```

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, 152, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 215) }
```

Border

The CSS property to change the border of an element to XYZ 23.4940, 27.3628, 68.3333 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, 152, 215) }
```


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

```
.border{ border-color:rgb(0, 152, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4940, 27.3628, 68.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 215) }
```

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

```
.background{ background-color: rgb(0, 152,  
215) }
```

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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