

# Converting Colors

XYZ(25.5484, 37.0149, 59.4005)

Have a look what the booklet for  
XYZ(25.5484, 37.0149, 59.4005)  
contains.

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# Color

**XYZ(27.1265, 37.9442,  
59.3203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B7C6
RGB	0, 183, 198
RGB Percent	0%, 72%, 78%
CMY	0.9998, 0.2823, 0.2235
CMYK	1.00, 0.08, 0.00, 0.22
HSL	185°, 100%, 39%
HSV	185°, 100%, 78%
XYZ	27.1265, 37.9442, 59.3203
YIQ	129.9930, -113.8830, -34.1310

# Conversions

## Conversions Part 2

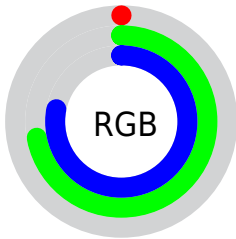
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 95, 198
Decimal	47046
CIELab	67.98, -32.78, -18.55
CIELCh	68, 37.671, 209.509
Yxy	37.9442, 0.2181, 0.3050
Android (android.graphics.Color)	4278237126 (0xFF00B7C6)
YUV	129.9930, 33.5275, -114.0039
Hunter-Lab	61.5989, -29.1914, -13.9776

# Details

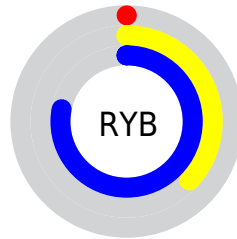
The XYZ color **27.1265, 37.9442, 59.3203** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **23.4606, 12.3487, 1.1482**, and the grayscale version is **21.1343, 22.2350, 24.2139**.

A 20% lighter version of the original color is **54.3960, 71.7778, 105.5953**, and **12.8843, 17.7141, 29.1257** is the 20% darker color. If you saturate the color by 10%, you get **27.1266, 37.9441, 59.3210**, and if you desaturate by 10%, it is **27.7235, 38.7146, 59.4383**.

# Distribution



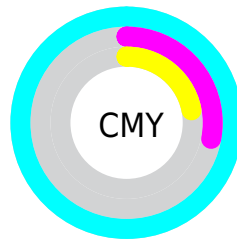
- Red (0%)
- Green (72%)
- Blue (78%)



- Red (0%)
- Yellow (37%)
- Blue (78%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (28%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1265, 37.9442, 59.3203 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 27.1265, 37.9442, 59.3203 by changing the saturation by 10% instead.



■ 27.1265, 37.9442,  
59.3203

■ 27.1265, 37.9442,  
59.3203

280.4255,  
337.3805, 439.8228

■ 17.8053, 25.9394,  
42.4493

■ 54.5052, 72.0226,  
105.3767

■ 10.9092, 16.7783,  
29.1251

■ 73.2935, 94.8650,  
135.3993

■ 6.0726, 10.0765,  
18.9291

■ 95.9682, 122.0887,  
170.6427

■ 2.9304, 5.4497,  
11.4427

■ 122.8947,  
154.0781, 211.5256

■ 1.1170, 2.5135,  
6.2476

■ 154.4383,  
191.2175, 258.4666

■ 0.0393, 0.8834,  
2.9250

190.9644,

■ 0.0000, 0.0000,

233.8915, 311.8840

1.0565

232.8384,  
282.4844, 372.1966

■ 0.0000, 0.0000,  
0.0000

■ 27.1265, 37.9442,  
59.3203

■ 27.1265, 37.9442,  
59.3203

■ 27.1266, 37.9441,  
59.3210

■ 27.7235, 38.7146,  
59.4383

■ 28.6138, 39.6403,  
59.5700

■ 29.9003, 40.7751,  
59.7212

■ 31.6359, 42.1464,  
59.8945

■ 33.8659, 43.7776,  
60.0918

■ 36.6295, 45.6888,  
60.3150

■ 39.9622, 47.8984,  
60.5659

■ 43.8966, 50.4231,  
60.8458

■ 48.4624, 53.2784,  
61.1563

# Harmonies

## Analogous

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



25.9367, 37.9442, 41.0388



27.1265, 37.9442, 59.3203



30.6480, 37.9442, 75.7970

# Triad

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



27.1265, 37.9442, 59.3203



46.6633, 37.9442, 59.9321



36.1615, 37.9442, 16.7309

# Complementary

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



27.1265, 37.9442, 59.3203



23.4606, 12.3487, 1.1482

# 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.



42.0850, 37.9442, 19.2918



27.1265, 37.9442, 59.3203



48.5363, 37.9442, 41.5920

# Square

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



27.1265, 37.9442, 59.3203



41.8999, 37.9442, 76.2122



46.7781, 37.9442, 27.3801



30.7983, 37.9442, 19.1258



# Rectangle

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



27.1265, 37.9442, 59.3203



34.0532, 37.9442, 81.8254



46.7781, 37.9442, 27.3801



38.1542, 37.9442, 17.0270

# Sweetspot

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



27.1277, 37.9456, 59.3212



70.4638, 84.6218, 107.2275



20.2690, 40.4186, 7.1221



14.5189, 17.7422, 22.9093



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.



27.1277, 37.9456, 59.3212



47.9534, 67.0268, 105.0178



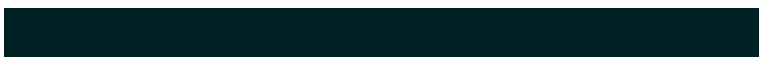
13.5074, 10.7049, 54.7811



10.8753, 11.9247, 13.6460



17.6689, 24.7317, 38.5868



0.8576, 1.2130, 1.8341



# Inverse Universe

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



31.8370, 15.4258, 46.1007



56.3338, 27.2975, 81.4131



29.1075, 23.6425, 3.0305



11.0471, 10.8022, 13.2312



20.7178, 10.0367, 30.0533



0.9916, 0.4795, 1.4788



# Previews

## White Background



This preview shows how the XYZ color 27.1265, 37.9442, 59.3203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

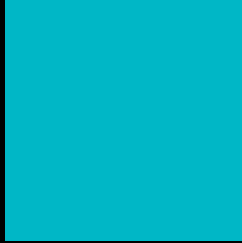
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.1265, 37.9442, 59.3203 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

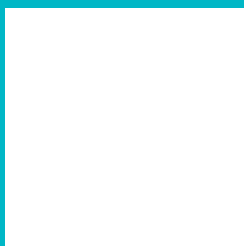
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.1265, 37.9442, 59.3203**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.1265, 37.9442, 59.3203.



This preview shows how white text looks on a background with the XYZ color 27.1265, 37.9442,



# 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

27.1265, 37.9442, 59.3203

### Protanopia

36.5521, 37.2742, 51.1671

### Deuteranopia

38.2223, 37.3786, 61.7002



## Tritanopia

27.1265, 37.9442, 59.3203

# Trichromacy



## Original Color

27.1265, 37.9442, 59.3203



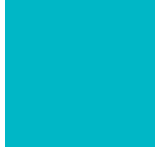
## Protanomaly

29.1485, 35.2919, 53.9909



## Deuteranomaly

30.2101, 35.4178, 60.5024



## Tritanomaly

27.1265, 37.9442, 59.3203

# Monochromacy



## Original Color

27.1265, 37.9442, 59.3203



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

20.2311, 25.7004, 34.9047

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.1265, 37.9442, 59.3203 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, 183, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 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(0, 183, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 27.1265, 37.9442, 59.3203 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, 183, 198) }
```



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

```
.border{ border-color:rgb(0, 183, 198) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.1265, 37.9442, 59.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 198) }
```

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

```
.background{ background-color: rgb(0, 183,  
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](#).

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