

# Converting Colors

XYZ(27.4164, 37.3943, 62.8996)

Have a look what the booklet for  
XYZ(27.4164, 37.3943, 62.8996)  
contains.

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# Color

**XYZ(27.4230, 37.4074,  
62.9017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B5CC
RGB	0, 181, 204
RGB Percent	0%, 71%, 80%
CMY	0.9998, 0.2902, 0.2000
CMYK	1.00, 0.11, 0.00, 0.20
HSL	187°, 100%, 40%
HSV	187°, 100%, 80%
XYZ	27.4230, 37.4074, 62.9017
YIQ	129.5030, -115.2590, -31.2190

# Conversions

## Conversions Part 2

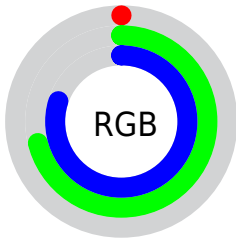
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 96, 204
Decimal	46540
CIELab	67.58, -29.87, -22.46
CIELCh	68, 37.378, 216.942
Yxy	37.4074, 0.2147, 0.2929
Android (android.graphics.Color)	4278236620 (0xFF00B5CC)
YUV	129.5030, 36.7270, -113.5741
Hunter-Lab	61.1616, -26.9988, -18.1637

# Details

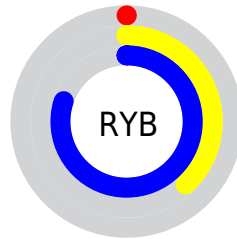
The XYZ color **27.4230, 37.4074, 62.9017** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **25.2098, 13.4524, 1.2693**, and the grayscale version is **20.9524, 22.0436, 24.0055**.

A 20% lighter version of the original color is **53.9277, 70.6719, 105.4065**, and **13.2242, 17.6404, 31.5621** is the 20% darker color. If you saturate the color by 10%, you get **27.4224, 37.4061, 62.9022**, and if you desaturate by 10%, it is **28.1930, 38.5052, 63.0737**.

# Distribution



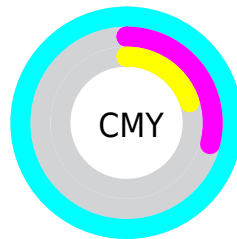
- Red (0%)
- Green (71%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (29%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4230, 37.4074, 62.9017 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 27.4230, 37.4074, 62.9017 by changing the saturation by 10% instead.



27.4230, 37.4074,  
62.9017

27.4230, 37.4074,  
62.9017

281.8298,  
335.0710, 453.3108

18.0294, 25.5231,  
45.3212

54.9770, 71.1989,  
110.6119

11.0709, 16.4672,  
31.3657

73.8681, 93.8749,  
141.5787

6.1822, 9.8554,  
20.6167

96.6558, 120.9169,  
177.8446

2.9979, 5.3032,  
12.6556

123.7054,  
152.7093, 219.8282

1.1526, 2.4262,  
7.0639

155.3822,  
189.6366, 267.9482

0.0685, 0.8393,  
3.4230

192.0516,

0.0000, 0.0000,

232.0830, 322.6228

1.3145

234.0790,  
280.4330, 384.2709

■ 0.0000, 0.0000,  
0.0736

■ 0.0000, 0.0000,  
0.0000

■ 27.4230, 37.4074,  
62.9017

■ 27.4230, 37.4074,  
62.9017

■ 27.4224, 37.4061,  
62.9022

■ 28.1930, 38.5052,  
63.0737

■ 29.2832, 39.7789,  
63.2621

■ 30.8018, 41.2851,  
63.4728

■ 32.8063, 43.0533,  
63.7085

■ 35.3451, 45.1087,  
63.9714

■ 38.4607, 47.4732,  
64.2636

■ 42.1914, 50.1665,  
64.5868

■ 46.5719, 53.2067,  
64.9427

■ 51.6347, 56.6104,  
65.3329

# Harmonies

## Analogous

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



25.6619, 37.4074, 44.6822



27.4230, 37.4074, 62.9017



31.3940, 37.4074, 77.4046

# Triad

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



27.4230, 37.4074, 62.9017



46.7398, 37.4074, 54.4472



34.2338, 37.4074, 16.6745

# Complementary

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



27.4230, 37.4074, 62.9017



25.2098, 13.4524, 1.2693

# 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.



40.0674, 37.4074, 17.9748



27.4230, 37.4074, 62.9017



47.7101, 37.4074, 37.0186

# Square

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



27.4230, 37.4074, 62.9017



42.6289, 37.4074, 71.6751



45.1531, 37.4074, 24.4975



29.3098, 37.4074, 20.2879



# Rectangle

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



27.4230, 37.4074, 62.9017



34.9675, 37.4074, 81.2832



45.1531, 37.4074, 24.4975



36.1483, 37.4074, 16.5715

# Sweetspot

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



27.4242, 37.4087, 62.9026



69.5945, 82.8832, 106.9378



21.7240, 43.2387, 7.8837



14.3078, 17.3201, 22.8390



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

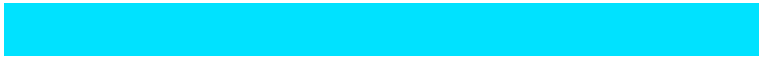


# Same Dimension

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



27.4242, 37.4087, 62.9026



45.3130, 61.7459, 104.1377



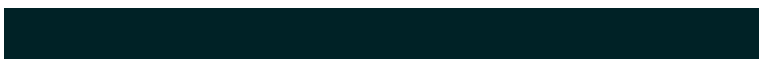
13.8894, 10.3390, 58.3910



11.4311, 12.5025, 14.3811



17.3029, 23.6298, 39.6053



0.9241, 1.2820, 2.0537



# Inverse Universe

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



33.2434, 16.1749, 45.0873



55.0011, 26.7644, 74.3949



31.9137, 26.8603, 3.5040



11.6309, 11.3811, 13.8571



20.9446, 10.1884, 28.4907



1.0964, 0.5320, 1.5535



# Previews

## White Background



This preview shows how the XYZ color 27.4230, 37.4074, 62.9017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

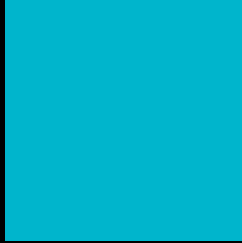
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.4230, 37.4074, 62.9017 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

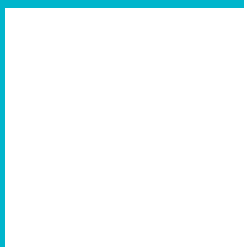
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.4230, 37.4074, 62.9017**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4230, 37.4074, 62.9017.



This preview shows how white text looks on a background with the XYZ color 27.4230, 37.4074,



# 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

27.4230, 37.4074, 62.9017

### Protanopia

36.4249, 36.8713, 54.4873

### Deuteranopia

37.9638, 37.1611, 65.4935

# Trichromacy



## Original Color

27.4230, 37.4074, 62.9017

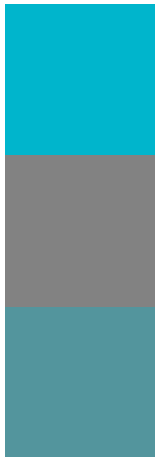
## Protanomaly

29.5186, 35.1282, 57.4492

## Deuteranomaly

30.4107, 35.1629, 64.2158

# Monochromacy



## Original Color

27.4230, 37.4074, 62.9017

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

20.4005, 25.7682, 35.7968

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4230, 37.4074, 62.9017 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, 181, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 204)  
}
```

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, 181, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4230, 37.4074, 62.9017 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, 181, 204) }
```

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

```
.border{ border-color:rgb(0, 181, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 181, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
204) }
```



# Background

The CSS property to change the background color of an element to XYZ 27.4230, 37.4074, 62.9017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 204) }
```

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

```
.background{ background-color: rgb(0, 181,  
204) }
```

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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