

# Converting Colors

XYZ(33.0292, 47.0074, 69.6199)

Have a look what the booklet for  
XYZ(33.0292, 47.0074, 69.6199)  
contains.

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# Color

**XYZ(33.0292, 47.0074,  
69.6199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02CAD4
RGB	2, 202, 212
RGB Percent	1%, 79%, 83%
CMY	0.9920, 0.2078, 0.1686
CMYK	0.99, 0.05, 0.00, 0.17
HSL	183°, 98%, 42%
HSV	183°, 99%, 83%
XYZ	33.0292, 47.0074, 69.6199
YIQ	143.3400, -122.4100, -39.2900

# Conversions

## Conversions Part 2

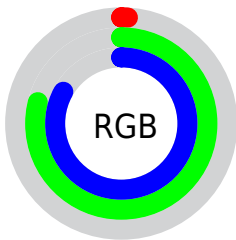
Format	Color
R <sub>Y</sub> B	2, 104, 212
Decimal	182996
CIE Lab	74.19, -37.24, -16.79
CIE LCh	74, 40.855, 204.270
Yxy	47.0074, 0.2207, 0.3141
Android (android.graphics.Color)	4278373076 (0xFF02CAD4)
YUV	143.3400, 33.8494, -123.9552
Hunter-Lab	68.5619, -33.9924, -12.2115

# Details

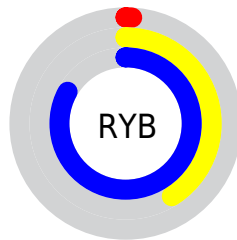
The XYZ color **33.0292, 47.0074, 69.6199** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.2950, 14.2658, 1.3738**, and the grayscale version is **26.1545, 27.5166, 29.9655**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **16.5195, 23.3018, 35.5253** is the 20% darker color. If you saturate the color by 10%, you get **32.9821, 46.9501, 69.6122**, and if you desaturate by 10%, it is **33.6018, 47.6564, 69.7159**.

# Distribution



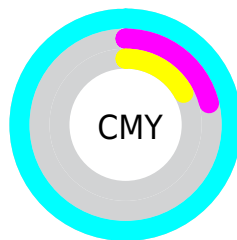
- Red (1%)
- Green (79%)
- Blue (83%)



- Red (1%)
- Yellow (41%)
- Blue (83%)



- Cyan (99%)
- Magenta (5%)
- Yellow (0%)
- Black (17%)



- Cyan (99%)
- Magenta (21%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0292, 47.0074, 69.6199 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 33.0292, 47.0074, 69.6199 by changing the saturation by 10% instead.



33.0292, 47.0074,  
69.6199

33.0292, 47.0074,  
69.6199

307.4439,  
374.8441, 477.9673

22.3082, 33.0415,  
50.7418

63.7755, 85.7247,  
120.3426

14.2014, 22.1582,  
35.6279

84.5314, 111.2448,  
153.0243

8.3435, 13.9732,  
23.8595

109.3631,  
141.3852, 191.1442

4.3692, 8.1020,  
15.0182

138.6358,  
176.5302, 235.1210

1.9130, 4.1603,  
8.6854

172.7148,  
217.0642, 285.3732

0.5844, 1.7636,  
4.4426

211.9656,

0.0000, 0.4644,

263.3715, 342.3193

1.8711

256.7536,  
315.8367, 406.3778

■ 0.0000, 0.0000,  
0.4743

■ 0.0000, 0.0000,  
0.0000

■ 33.0292, 47.0074,  
69.6199

■ 33.0292, 47.0074,  
69.6199

■ 32.9821, 46.9501,  
69.6122

■ 33.6018, 47.6564,  
69.7159

■ 34.5400, 48.4952,  
69.8283

■ 35.9459, 49.5774,  
69.9631

■ 37.8814, 50.9350,  
70.1231

■ 40.3993, 52.5950,  
70.3109

■ 43.5456, 54.5814,  
70.5284

■ 47.3620, 56.9156,  
70.7778

■ 51.8865, 59.6171,  
71.0608

■ 57.1543, 62.7041,  
71.3790

# Harmonies

## Analogous

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



32.0782, 47.0074, 47.2604



33.0292, 47.0074, 69.6199



36.9481, 47.0074, 91.4115

# Triad

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



33.0292, 47.0074, 69.6199



57.1169, 47.0074, 78.5393



46.1002, 47.0074, 20.6224

# Complementary

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



33.0292, 47.0074, 69.6199



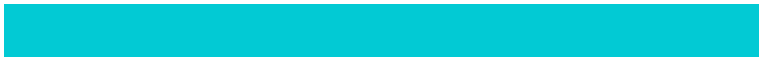
27.2950, 14.2658, 1.3738

# 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.



53.4197, 47.0074, 24.9230



33.0292, 47.0074, 69.6199



60.2111, 47.0074, 55.3170

# Square

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



33.0292, 47.0074, 69.6199



50.7227, 47.0074, 97.4689



58.7893, 47.0074, 36.3275



39.1358, 47.0074, 22.5125



# Rectangle

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



33.0292, 47.0074, 69.6199



40.9683, 47.0074, 100.6600



58.7893, 47.0074, 36.3275



48.6076, 47.0074, 21.3449

# Sweetspot

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



33.0307, 47.0091, 69.6210



71.1338, 85.9618, 107.4509



23.6190, 47.1207, 8.1101



14.6819, 18.0682, 22.9636



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.



33.0307, 47.0091, 69.6210



50.0576, 71.2351, 105.7192



16.4692, 13.8862, 64.1005



12.7392, 14.0017, 15.9687



20.3828, 29.0274, 42.9817



1.2453, 1.7827, 2.5978



# Inverse Universe

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



37.8350, 18.3061, 57.4182



57.3959, 27.7224, 87.0060



33.1829, 26.0416, 3.3364



12.9263, 12.6220, 15.5521



23.3471, 11.2752, 35.4617



1.4162, 0.6833, 2.1813



# Previews

## White Background



This preview shows how the XYZ color 33.0292, 47.0074, 69.6199 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

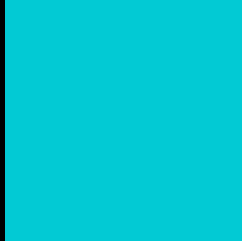
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.0292, 47.0074, 69.6199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

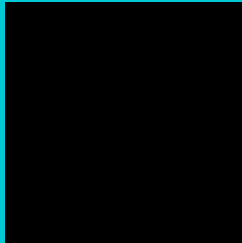
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

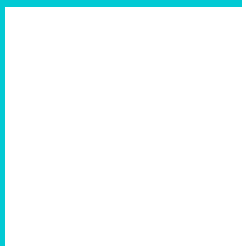
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.0292, 47.0074, 69.6199**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.0292, 47.0074, 69.6199.



This preview shows how white text looks on a background with the XYZ color 33.0292, 47.0074,



# 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

33.0292, 47.0074, 69.6199

### Protanopia

45.1047, 46.3034, 59.9863

### Deuteranopia

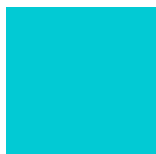
47.4331, 46.3300, 72.7723



## Tritanopia

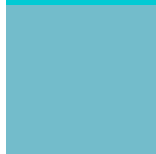
33.7877, 46.9772, 72.9324

# Trichromacy



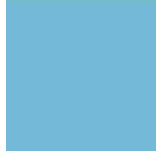
## Original Color

33.0292, 47.0074, 69.6199



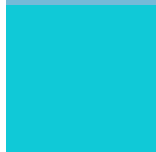
## Protanomaly

35.8329, 43.9231, 63.0893



## Deuteranomaly

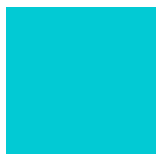
37.1560, 43.7887, 71.4595



## Tritanomaly

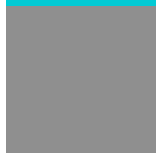
33.3661, 46.7897, 71.5627

# Monochromacy



## Original Color

33.0292, 47.0074, 69.6199



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

24.7570, 31.6534, 41.8507

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.0292, 47.0074, 69.6199 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(2, 202, 212)` looks like.

```
.text, #text, p{  
    color:rgb(2, 202, 212)  
}
```

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(2, 202, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 202, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 33.0292, 47.0074, 69.6199 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(2, 202, 212) }
```



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

```
.border{ border-color:rgb(2, 202, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 202, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 202, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 202, 212);  
box-shadow:4px 4px 4px 4px rgb(2, 202,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.0292, 47.0074, 69.6199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 202, 212) }
```

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

```
.background{ background-color: rgb(2, 202,  
212) }
```

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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