

# Converting Colors

XYZ(29.4190, 42.0132, 65.8364)

Have a look what the booklet for  
XYZ(29.4190, 42.0132, 65.8364)  
contains.

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# Color

**XYZ(30.3324, 42.6449,  
65.6641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C1CF
RGB	0, 193, 207
RGB Percent	0%, 76%, 81%
CMY	0.9998, 0.2431, 0.1882
CMYK	1.00, 0.07, 0.00, 0.19
HSL	184°, 100%, 41%
HSV	184°, 100%, 81%
XYZ	30.3324, 42.6449, 65.6641
YIQ	136.8890, -119.5220, -36.5620

# Conversions

## Conversions Part 2

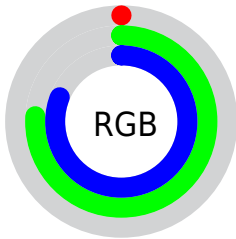
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 100, 207
Decimal	49615
CIELab	71.31, -34.67, -18.43
CIELCh	71, 39.262, 208.002
Yxy	42.6449, 0.2188, 0.3076
Android (android.graphics.Color)	4278239695 (0xFF00C1CF)
YUV	136.8890, 34.5647, -120.0517
Hunter-Lab	65.3031, -31.3695, -13.9056

# Details

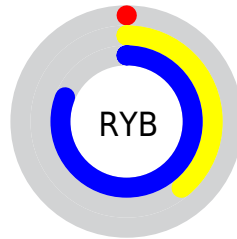
The XYZ color **30.3324, 42.6449, 65.6641** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.8903, 13.5809, 1.2580**, and the grayscale version is **23.6473, 24.8788, 27.0930**.

A 20% lighter version of the original color is **58.0613, 78.5945, 106.7178**, and **14.9824, 20.7651, 33.3554** is the 20% darker color. If you saturate the color by 10%, you get **30.3326, 42.6449, 65.6649**, and if you desaturate by 10%, it is **30.9481, 43.4248, 65.7830**.

# Distribution



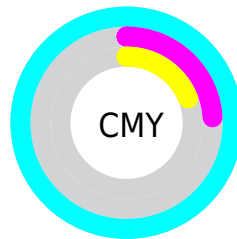
- Red (0%)
- Green (76%)
- Blue (81%)



- Red (0%)
- Yellow (39%)
- Blue (81%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (24%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3324, 42.6449, 65.6641 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 30.3324, 42.6449, 65.6641 by changing the saturation by 10% instead.



30.3324, 42.6449,  
65.6641

30.3324, 42.6449,  
65.6641

295.3329,  
357.1494, 463.5460

20.2404, 29.6066,  
47.5450

59.5705, 79.1747,  
114.6265

12.6792, 19.5402,  
33.1093

79.4472, 103.4350,  
146.3069

7.2835, 12.0612,  
21.9384

103.3162,  
132.2048, 183.3448

3.6879, 6.7854,  
13.6137

131.5429,  
165.8684, 226.1588

1.5271, 3.3283,  
7.7168

164.4925,  
204.8103, 275.1673

0.3442, 1.3054,  
3.8291

202.5305,

0.0000, 0.1454,

249.4148, 330.7890

1.5321

246.0222,  
300.0664, 393.4424

■ 0.0000, 0.0000,  
0.2417

■ 0.0000, 0.0000,  
0.0000

■ 30.3324, 42.6449,  
65.6641

■ 30.3324, 42.6449,  
65.6641

■ 30.3326, 42.6449,  
65.6649

■ 30.9481, 43.4248,  
65.7830

■ 31.8904, 44.3767,  
65.9171

■ 33.2707, 45.5587,  
66.0725

■ 35.1484, 47.0015,  
66.2520

■ 37.5738, 48.7310,  
66.4580

■ 40.5910, 50.7701,  
66.6925

■ 44.2395, 53.1390,  
66.9575

■ 48.5554, 55.8564,  
67.2545

■ 53.5722, 58.9396,  
67.5852

# Harmonies

## Analogous

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



29.1309, 42.6449, 45.1781



30.3324, 42.6449, 65.6641



34.1756, 42.6449, 84.5604

# Triad

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



30.3324, 42.6449, 65.6641



52.2706, 42.6449, 68.4667



40.9765, 42.6449, 18.7665

# Complementary

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



30.3324, 42.6449, 65.6641



25.8903, 13.5809, 1.2580

# 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.



47.6329, 42.6449, 21.9350



30.3324, 42.6449, 65.6641



54.5780, 42.6449, 47.7110

# Square

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



30.3324, 42.6449, 65.6641



46.7850, 42.6449, 86.4631



52.7963, 42.6449, 31.3793



34.8638, 42.6449, 21.1757



# Rectangle

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



30.3324, 42.6449, 65.6641



37.9525, 42.6449, 91.8059



52.7963, 42.6449, 31.3793



43.2272, 42.6449, 19.1914

# Sweetspot

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



30.3337, 42.6465, 65.6651



70.6565, 85.0071, 107.2918



22.3919, 44.6578, 7.8495



14.5657, 17.8359, 22.9249



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.



30.3337, 42.6465, 65.6651



48.5523, 68.2247, 105.2174



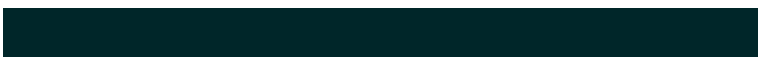
14.8962, 11.7714, 60.5193



12.0871, 13.2644, 15.1669



19.1387, 26.9240, 41.3806



1.0912, 1.5475, 2.3208



# Inverse Universe

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



35.3589, 17.1169, 51.8939



56.6362, 27.4185, 83.0051



32.1313, 26.0628, 3.3384



12.2748, 11.9947, 14.7231



22.2910, 10.7893, 32.7685



1.2570, 0.6075, 1.8881



# Previews

## White Background



This preview shows how the XYZ color 30.3324, 42.6449, 65.6641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

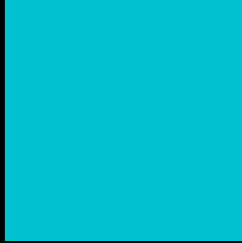
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.3324, 42.6449, 65.6641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

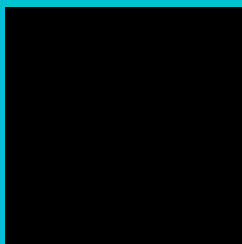
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

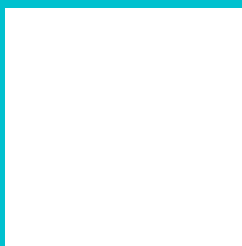
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 30.3324, 42.6449, 65.6641

## Background



This preview shows how black text looks on a background with the XYZ color 30.3324, 42.6449, 65.6641.



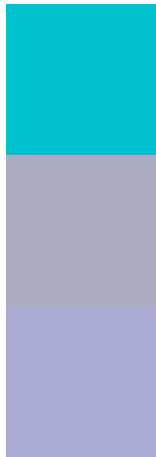
This preview shows how white text looks on a background with the XYZ color 30.3324, 42.6449,



# 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

30.3324, 42.6449, 65.6641

### Protanopia

41.1727, 42.0132, 56.3914

### Deuteranopia

43.0530, 42.1608, 68.1561



## Tritanopia

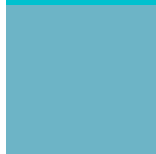
30.6211, 42.7796, 66.3179

# Trichromacy



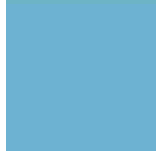
## Original Color

30.3324, 42.6449, 65.6641



## Protanomaly

32.8210, 39.9709, 59.4114



## Deuteranomaly

33.8599, 39.7451, 66.8597



## Tritanomaly

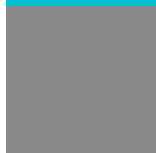
30.5553, 42.7456, 66.3148

# Monochromacy



## Original Color

30.3324, 42.6449, 65.6641



## Achromatopsia

23.7775, 25.0158, 27.2422



## Achromatomaly

22.5090, 28.7488, 38.5451

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3324, 42.6449, 65.6641 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, 193, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 207)  
}
```

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, 193, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3324, 42.6449, 65.6641 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, 193, 207) }
```



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

```
.border{ border-color:rgb(0, 193, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3324, 42.6449, 65.6641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 207) }
```

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

```
.background{ background-color: rgb(0, 193,  
207) }
```

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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