

# Converting Colors

XYZ(35.8097, 52.1588, 74.8255)

Have a look what the booklet for  
XYZ(35.8097, 52.1588, 74.8255)  
contains.

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# Color

**XYZ(36.4491, 52.6505,  
74.5712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D5DA
RGB	0, 213, 218
RGB Percent	0%, 84%, 85%
CMY	0.9998, 0.1647, 0.1451
CMYK	1.00, 0.02, 0.00, 0.15
HSL	181°, 100%, 43%
HSV	181°, 100%, 85%
XYZ	36.4491, 52.6505, 74.5712
YIQ	149.8830, -128.5530, -43.6010

# Conversions

## Conversions Part 2

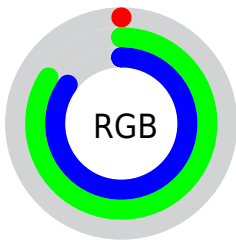
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 108, 218
Decimal	54746
CIELab	77.67, -40.48, -14.80
CIELCh	78, 43.100, 200.077
Yxy	52.6505, 0.2227, 0.3217
Android (android.graphics.Color)	4278244826 (0xFF00D5DA)
YUV	149.8830, 33.5817, -131.4474
Hunter-Lab	72.5607, -37.3160, -10.1404

# Details

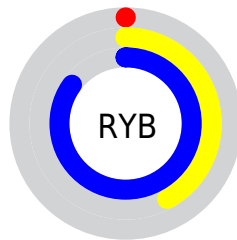
The XYZ color **36.4491, 52.6505, 74.5712** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.9689, 15.0153, 1.3727**, and the grayscale version is **28.8475, 30.3499, 33.0510**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.8377, 27.0981, 38.8879** is the 20% darker color. If you saturate the color by 10%, you get **36.4499, 52.6516, 74.5724**, and if you desaturate by 10%, it is **36.9036, 53.0729, 74.6298**.

# Distribution



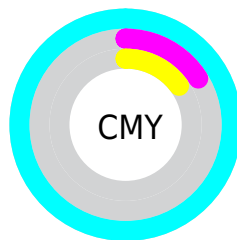
- Red (0%)
- Green (84%)
- Blue (85%)



- Red (0%)
- Yellow (42%)
- Blue (85%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (16%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4491, 52.6505, 74.5712 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 36.4491, 52.6505, 74.5712 by changing the saturation by 10% instead.



36.4491, 52.6505,  
74.5712

36.4491, 52.6505,  
74.5712

322.3163,  
396.9428, 495.6585

24.9530, 37.5238,  
54.7621

69.0440, 94.0899,  
127.4467

16.1706, 25.6133,  
38.8139

90.8735, 121.1714,  
161.3501

9.7365, 16.5346,  
26.3083

116.8782,  
153.0066, 200.7888

5.2855, 9.9032,  
16.8266

147.4234,  
189.9800, 246.1811

2.4522, 5.3348,  
9.9503

182.8744,  
232.4759, 297.9457

0.8712, 2.4450,  
5.2608

223.5967,

0.0000, 0.8489,

280.8788, 356.5011

2.3397

269.9555,  
335.5729, 422.2658

■ 0.0000, 0.0000,  
0.7533

■ 0.0000, 0.0000,  
0.0000

■ 36.4491, 52.6505,  
74.5712

■ 36.4491, 52.6505,  
74.5712

■ 36.4499, 52.6516,  
74.5724

■ 36.9036, 53.0729,  
74.6298

■ 37.7260, 53.6844,  
74.7044

■ 39.0388, 54.5493,  
74.8022

■ 40.9098, 55.7025,  
74.9262

■ 43.3962, 57.1736,  
75.0791

■ 46.5481, 58.9883,  
75.2632

■ 50.4103, 61.1698,  
75.4807

■ 55.0241, 63.7393,  
75.7335

■ 60.4271, 66.7163,  
76.0234

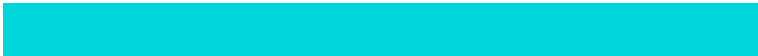
# Harmonies

## Analogous

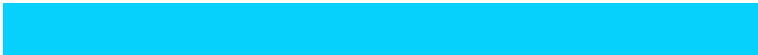
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.8580, 52.6505, 49.7764



36.4491, 52.6505, 74.5712



40.4463, 52.6505, 100.2230

# Triad

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



36.4491, 52.6505, 74.5712



63.3671, 52.6505, 92.1156



52.8555, 52.6505, 22.9599

# Complementary

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



36.4491, 52.6505, 74.5712



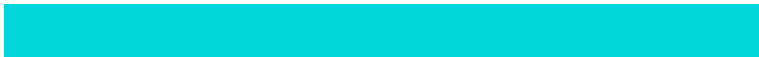
28.9689, 15.0153, 1.3727

# 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.



61.0484, 52.6505, 28.8406



36.4491, 52.6505, 74.5712



67.5475, 52.6505, 65.6060

# Square

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



36.4491, 52.6505, 74.5712



55.7484, 52.6505, 112.1448



66.6548, 52.6505, 42.9707



44.7403, 52.6505, 24.1213



# Rectangle

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



36.4491, 52.6505, 74.5712



44.7779, 52.6505, 112.2110



66.6548, 52.6505, 42.9707



55.7048, 52.6505, 24.0976

# Sweetspot

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



36.4507, 52.6524, 74.5725



71.7279, 87.1500, 107.6489



25.0925, 50.1519, 8.4634



14.8266, 18.3577, 23.0119



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.



36.4507, 52.6524, 74.5725



51.9727, 75.0655, 106.3576



17.7472, 15.2454, 68.3380



13.4179, 14.7756, 16.7969



21.8485, 31.5664, 44.6798



1.4237, 2.0616, 2.8973



# Inverse Universe

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



40.9250, 19.7109, 64.6005



58.3626, 28.1091, 92.0966



34.7810, 26.6395, 3.3101



13.6008, 13.2694, 16.4252



24.5234, 11.8104, 38.7320

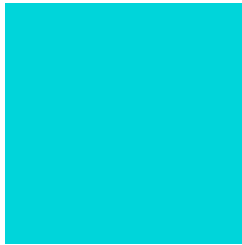


1.5929, 0.7668, 2.5313



# Previews

## White Background



This preview shows how the XYZ color 36.4491, 52.6505, 74.5712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

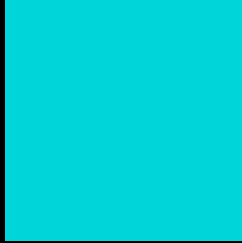
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.4491, 52.6505, 74.5712 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

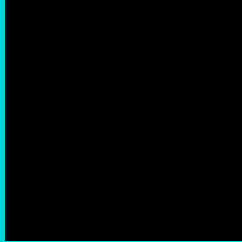
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

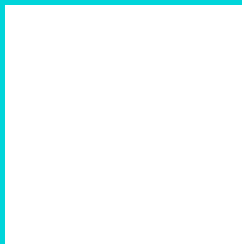
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 36.4491, 52.6505, 74.5712

## Background



This preview shows how black text looks on a background with the XYZ color 36.4491, 52.6505, 74.5712.



This preview shows how white text looks on a background with the XYZ color 36.4491, 52.6505,



# 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

36.4491, 52.6505, 74.5712

### Protanopia

50.2123, 51.6541, 63.8237

### Deuteranopia

53.0058, 51.8371, 77.7329



## Tritanopia

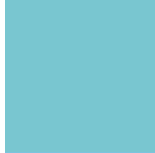
38.0643, 52.5690, 82.2694

# Trichromacy



## Original Color

36.4491, 52.6505, 74.5712



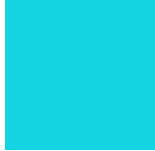
## Protanomaly

39.4644, 49.0072, 67.0538



## Deuteranomaly

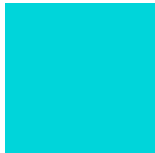
41.0931, 48.9647, 76.3925



## Tritanomaly

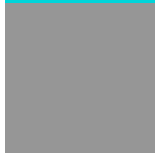
37.4434, 52.6826, 79.4295

# Monochromacy



## Original Color

36.4491, 52.6505, 74.5712



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

27.4007, 35.4152, 45.9491

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.4491, 52.6505, 74.5712 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, 213, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 218)  
}
```

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, 213, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 36.4491, 52.6505, 74.5712 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, 213, 218) }
```



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

```
.border{ border-color:rgb(0, 213, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 213, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.4491, 52.6505, 74.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 218) }
```

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

```
.background{ background-color: rgb(0, 213,  
218) }
```

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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