

Converting Colors

XYZ(16.2307, 41.3834, 73.1640)

Have a look what the booklet for
XYZ(16.2307, 41.3834, 73.1640)
contains.

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Color

**XYZ(35.9492, 51.6505,
74.4045)**

Conversions

Conversions Part 1

Format	Color
Hex	00D3DA
RGB	0, 211, 218
RGB Percent	0%, 83%, 85%
CMY	0.9998, 0.1725, 0.1451
CMYK	1.00, 0.03, 0.00, 0.15
HSL	182°, 100%, 43%
HSV	182°, 100%, 85%
XYZ	35.9492, 51.6505, 74.4045
YIQ	148.7090, -128.0030, -42.5550

Conversions

Conversions Part 2

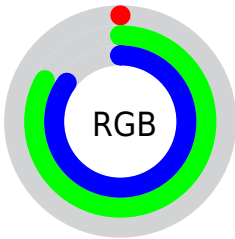
Format	Color
RYB	0, 107, 218
Decimal	54234
CIELab	77.07, -39.58, -15.69
CIELCh	77, 42.574, 201.630
Yxy	51.6505, 0.2219, 0.3188
Android (android.graphics.Color)	4278244314 (0xFF00D3DA)
YUV	148.7090, 34.1605, -130.4178
Hunter-Lab	71.8683, -36.4821, -11.0745

Details

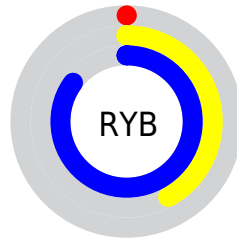
The XYZ color **35.9492, 51.6505, 74.4045** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.9908, 15.0589, 1.3803**, and the grayscale version is **28.3523, 29.8288, 32.4836**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.4993, 26.4213, 38.7751** is the 20% darker color. If you saturate the color by 10%, you get **35.9496, 51.6511, 74.4056**, and if you desaturate by 10%, it is **36.4521, 52.1696, 74.4792**.

Distribution



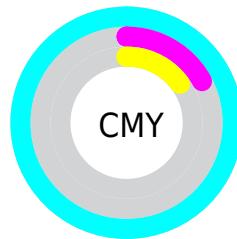
- Red (0%)
- Green (83%)
- Blue (85%)



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



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (17%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9492, 51.6505, 74.4045 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 35.9492, 51.6505, 74.4045 by changing the saturation by 10% instead.

35.9492, 51.6505,
74.4045

35.9492, 51.6505,
74.4045

320.1736,
393.0859, 495.0690

24.5649, 36.7266,
54.6264

68.2780, 92.6156,
127.2084

15.8802, 24.9959,
38.7061

89.9533, 119.4256,
161.0712

9.5297, 16.0740,
26.2251

115.7895,
150.9663, 200.4661

5.1481, 9.5765,
16.7648

146.1522,
187.6223, 245.8114

2.3701, 5.1191,
9.9068

181.4065,
229.7778, 297.5258

0.8302, 2.3173,
5.2324

221.9180,

0.0000, 0.7828,

277.8173, 356.0279

2.3231

268.0519,
332.1252, 421.7361

■ 0.0000, 0.0000,
0.7441

■ 0.0000, 0.0000,
0.0000

■ 35.9492, 51.6505,
74.4045

■ 35.9492, 51.6505,
74.4045

■ 35.9496, 51.6511,
74.4056

■ 36.4521, 52.1696,
74.4792

■ 37.3235, 52.8787,
74.5701

■ 38.6857, 53.8419,
74.6842

■ 40.6065, 55.0942,
74.8247

■ 43.1430, 56.6651,
74.9942

■ 46.3454, 58.5804,
75.1951

■ 50.2586, 60.8633,
75.4295

■ 54.9237, 63.5349,
75.6993

■ 60.3785, 66.6147,
76.0063

Harmonies

Analogous

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



35.1957, 51.6505, 49.9708



35.9492, 51.6505, 74.4045



40.0152, 51.6505, 99.1393

Triad

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



35.9492, 51.6505, 74.4045



62.3941, 51.6505, 88.8521



51.4029, 51.6505, 22.5602

Complementary

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



35.9492, 51.6505, 74.4045



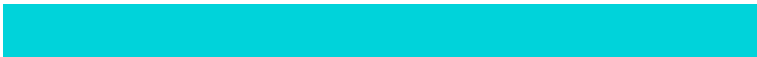
28.9908, 15.0589, 1.3803

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.



59.4475, 51.6505, 27.9379



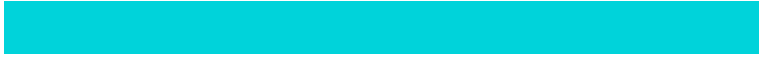
35.9492, 51.6505, 74.4045



66.2360, 51.6505, 63.0097

Square

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



35.9492, 51.6505, 74.4045



55.0818, 51.6505, 108.9556



65.1020, 51.6505, 41.2999



43.5535, 51.6505, 24.0467

Rectangle

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



35.9492, 51.6505, 74.4045



44.3293, 51.6505, 110.3144



65.1020, 51.6505, 41.2999



54.1847, 51.6505, 23.5559

Sweetspot

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



35.9508, 51.6524, 74.4058



71.5064, 86.7069, 107.5751



25.0927, 50.1520, 8.4637



14.7726, 18.2497, 22.9939



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.



35.9508, 51.6524, 74.4058



51.2532, 73.6264, 106.1177



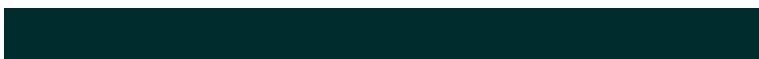
17.7479, 15.2466, 68.3381



13.4072, 14.7541, 16.7933



21.5532, 30.9759, 44.5814



1.4078, 2.0297, 2.8920

Inverse Universe

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



40.6727, 19.6102, 63.2714



57.9994, 27.9638, 90.1840



34.7817, 26.6407, 3.3106



13.5954, 13.2673, 16.3965



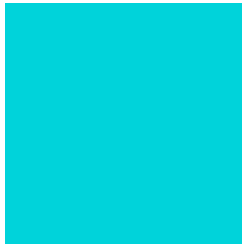
24.3744, 11.7508, 37.9472



1.5849, 0.7636, 2.4889

Previews

White Background



This preview shows how the XYZ color 35.9492, 51.6505, 74.4045 looks on a white background.

Color Contrast Check

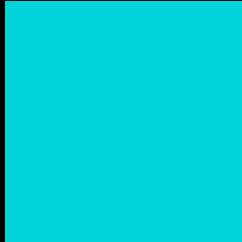
Large Text (above 18pt) WCAG AA × Fail

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 35.9492, 51.6505, 74.4045 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

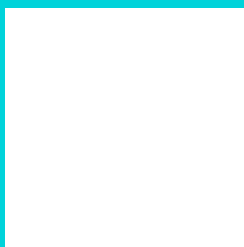
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9492, 51.6505, 74.4045

Background



This preview shows how black text looks on a background with the XYZ color 35.9492, 51.6505, 74.4045.



This preview shows how white text looks on a background with the XYZ color 35.9492, 51.6505,

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

35.9492, 51.6505, 74.4045

Protanopia

49.5017, 50.9696, 63.7290

Deuteranopia

51.8302, 50.6099, 77.5580



Tritanopia

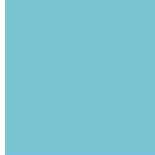
37.4471, 51.9153, 80.7200

Trichromacy



Original Color

35.9492, 51.6505, 74.4045



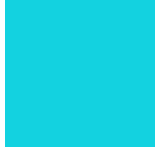
Protanomaly

38.8708, 48.0270, 66.8959



Deuteranomaly

40.3618, 47.9224, 76.2299



Tritanomaly

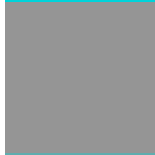
36.7697, 51.6135, 78.5454

Monochromacy



Original Color

35.9492, 51.6505, 74.4045



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.1118, 34.9939, 45.3700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9492, 51.6505, 74.4045 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, 211, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 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, 211, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 218) }
```

Border

The CSS property to change the border of an element to XYZ 35.9492, 51.6505, 74.4045 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, 211, 218) }
```


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

```
.border{ border-color:rgb(0, 211, 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, 211, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9492, 51.6505, 74.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 218) }
```

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

```
.background{ background-color: rgb(0, 211,  
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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