

Converting Colors

XYZ(40.9905, 56.0968, 93.4614)

Have a look what the booklet for
XYZ(40.9905, 56.0968, 93.4614)
contains.

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Color

**XYZ(40.9905, 56.0968,
93.4614)**

Conversions

Conversions Part 1

Format	Color
Hex	00D9F3
RGB	0, 217, 243
RGB Percent	0%, 85%, 95%
CMY	0.9997, 0.1490, 0.0471
CMYK	1.00, 0.11, 0.00, 0.05
HSL	186°, 100%, 48%
HSV	186°, 100%, 95%
XYZ	40.9905, 56.0968, 93.4614
YIQ	155.0810, -137.6780, -37.9180

Conversions

Conversions Part 2

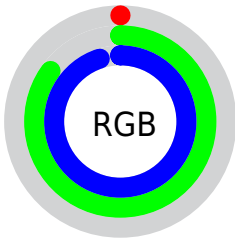
Format	Color
RYB	0, 115, 243
Decimal	55795
CIELab	79.67, -34.60, -25.13
CIElCh	80, 42.764, 215.984
Yxy	56.0968, 0.2151, 0.2944
Android (android.graphics.Color)	4278245875 (0xFF00D9F3)
YUV	155.0810, 43.3441, -136.0060
Hunter-Lab	74.8978, -33.3806, -21.5567

Details

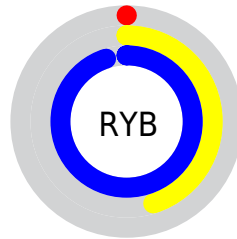
The XYZ color **40.9905, 56.0968, 93.4614** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **37.3338, 19.7967, 1.8553**, and the grayscale version is **31.0586, 32.6761, 35.5843**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.8900, 29.4285, 51.5403** is the 20% darker color. If you saturate the color by 10%, you get **40.9897, 56.0948, 93.4621**, and if you desaturate by 10%, it is **42.0526, 57.6484, 93.7060**.

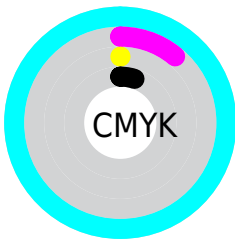
Distribution



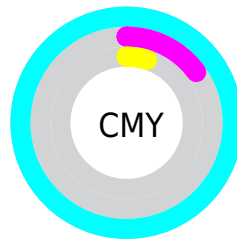
- Red (0%)
- Green (85%)
- Blue (95%)



- Red (0%)
- Yellow (45%)
- Blue (95%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9905, 56.0968, 93.4614 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 40.9905, 56.0968, 93.4614 by changing the saturation by 10% instead.

40.9905, 56.0968,
93.4614

40.9905, 56.0968,
93.4614

341.3442,
410.0562, 560.0855

28.4993, 40.2805,
70.2653

75.9443, 99.1461,
154.1145

18.8447, 27.7573,
51.2647

99.1376, 127.1479,
192.4085

11.6615, 18.1428,
36.0411

126.6289,
159.9804, 236.5722

6.5842, 11.0526,
24.1760

158.7837,
198.0279, 287.0242

3.2474, 6.1022,
15.2508

195.9672,
241.6748, 344.1830

1.2859, 2.9073,
8.8470

238.5449,

0.1726, 1.0835,

291.3056, 408.4671

4.5461

286.8821,
347.3046, 480.2951

■ 0.0000, 0.0000,
1.9295

■ 0.0000, 0.0000,
0.5114

■ 40.9905, 56.0968,
93.4614

■ 40.9905, 56.0968,
93.4614

■ 40.9897, 56.0948,
93.4621

■ 42.0526, 57.6484,
93.7060

■ 43.6039, 59.4668,
93.9752

■ 45.7953, 61.6311,
94.2775

■ 48.7160, 64.1872,
94.6169

■ 52.4409, 67.1738,
94.9971

■ 57.0356, 70.6249,
95.4210

■ 62.5588, 74.5708,
95.8915

■ 69.0642, 79.0391,
96.4111

■ 76.6012, 84.0555,
96.9822

Harmonies

Analogous

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



38.4637, 56.0968, 66.1679



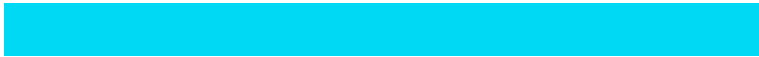
40.9905, 56.0968, 93.4614



46.8482, 56.0968, 115.5623

Triad

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



40.9905, 56.0968, 93.4614



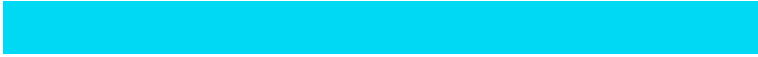
69.9511, 56.0968, 82.5264



51.6075, 56.0968, 24.9675

Complementary

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



40.9905, 56.0968, 93.4614



37.3338, 19.7967, 1.8553

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.



60.3584, 56.0968, 27.1507



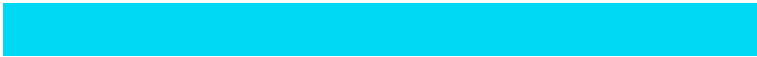
40.9905, 56.0968, 93.4614



71.5761, 56.0968, 56.2596

Square

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



40.9905, 56.0968, 93.4614



63.6709, 56.0968, 108.1500



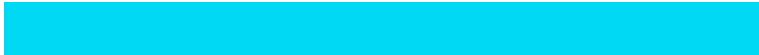
67.8989, 56.0968, 37.2026



44.1536, 56.0968, 30.1389

Rectangle

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



40.9905, 56.0968, 93.4614



52.1651, 56.0968, 121.7832



67.8989, 56.0968, 37.2026



54.4884, 56.0968, 24.8892

Sweetspot

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



40.9923, 56.0988, 93.4628



69.7287, 83.1516, 106.9825



32.2204, 64.1699, 11.5717



14.3404, 17.3852, 22.8498



0.0000, 0.0000, 0.0000



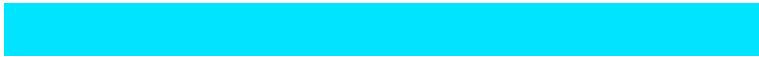
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9923, 56.0988, 93.4628



45.7139, 62.5477, 104.2713



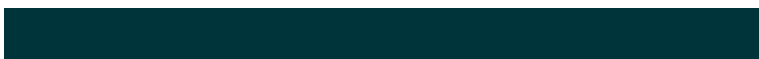
20.4755, 15.0652, 86.6238



16.8364, 18.4370, 21.2139



22.5567, 30.9072, 51.3149



2.0251, 2.8016, 4.5243

Inverse Universe

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



49.4881, 24.0662, 67.6846



55.2034, 26.8454, 75.4605



47.2152, 39.5594, 5.1491



17.1327, 16.7359, 20.4455



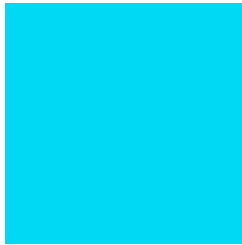
27.1901, 13.2195, 37.3050



2.4112, 1.1705, 3.3919

Previews

White Background



This preview shows how the XYZ color 40.9905, 56.0968, 93.4614 looks on a white background.

Color Contrast Check

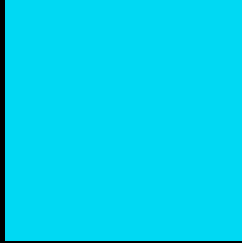
Large Text (above 18pt) WCAG AA × Fail

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 40.9905, 56.0968, 93.4614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

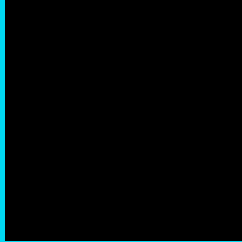
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9905, 56.0968, 93.4614

Background



This preview shows how black text looks on a background with the XYZ color 40.9905, 56.0968, 93.4614.



This preview shows how white text looks on a background with the XYZ color 40.9905, 56.0968,

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

40.9905, 56.0968, 93.4614

Protanopia

54.5306, 55.1322, 81.1663

Deuteranopia

56.4420, 55.1036, 97.2838



Tritanopia

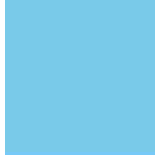
40.0668, 56.1410, 87.3218

Trichromacy



Original Color

40.9905, 56.0968, 93.4614



Protanomaly

43.7137, 52.1892, 84.8604



Deuteranomaly

45.2829, 52.4106, 95.7253



Tritanomaly

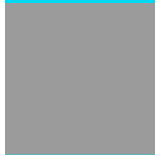
40.5040, 56.3159, 89.6242

Monochromacy



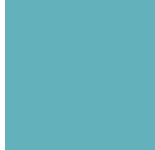
Original Color

40.9905, 56.0968, 93.4614



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

30.0356, 38.0813, 52.7811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9905, 56.0968, 93.4614 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, 217, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 243)  
}
```

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, 217, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 243) }
```

Border

The CSS property to change the border of an element to XYZ 40.9905, 56.0968, 93.4614 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, 217, 243) }
```


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

```
.border{ border-color:rgb(0, 217, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9905, 56.0968, 93.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 243) }
```

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

```
.background{ background-color: rgb(0, 217,  
243) }
```

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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