

Converting Colors

XYZ(40.9486, 56.4937, 91.9652)

Have a look what the booklet for
XYZ(40.9486, 56.4937, 91.9652)
contains.

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Color

**XYZ(40.9486, 56.4937,
91.9652)**

Conversions

Conversions Part 1

Format	Color
Hex	00DAF1
RGB	0, 218, 241
RGB Percent	0%, 85%, 95%
CMY	0.9997, 0.1451, 0.0549
CMYK	1.00, 0.10, 0.00, 0.05
HSL	186°, 100%, 47%
HSV	186°, 100%, 95%
XYZ	40.9486, 56.4937, 91.9652
YIQ	155.4400, -137.3110, -39.0630

Conversions

Conversions Part 2

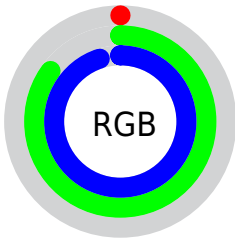
Format	Color
RYB	0, 114, 241
Decimal	56049
CIELab	79.89, -35.70, -23.72
CIELCh	80, 42.864, 213.598
Yxy	56.4937, 0.2162, 0.2983
Android (android.graphics.Color)	4278246129 (0xFF00DAF1)
YUV	155.4400, 42.1811, -136.3209
Hunter-Lab	75.1623, -34.2868, -19.9310

Details

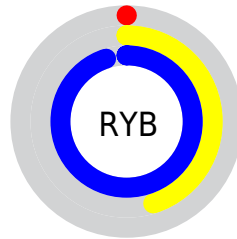
The XYZ color **40.9486, 56.4937, 91.9652** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **36.5842, 19.3166, 1.8022**, and the grayscale version is **31.2227, 32.8488, 35.7723**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.8541, 29.6972, 50.4792** is the 20% darker color. If you saturate the color by 10%, you get **40.9479, 56.4919, 91.9660**, and if you desaturate by 10%, it is **41.9310, 57.8930, 92.1846**.

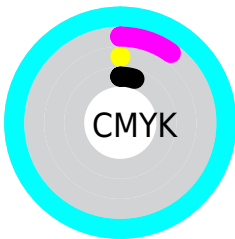
Distribution



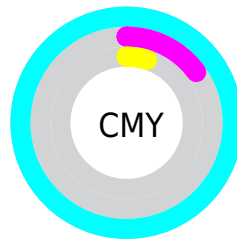
- Red (0%)
- Green (85%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9486, 56.4937, 91.9652 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 40.9486, 56.4937, 91.9652 by changing the saturation by 10% instead.

40.9486, 56.4937,
91.9652

40.9486, 56.4937,
91.9652

341.1720,
411.5494, 555.1373

28.4664, 40.5989,
69.0289

75.8811, 99.7261,
152.0244

18.8198, 28.0058,
50.2633

99.0620, 127.8324,
189.9844

11.6434, 18.3300,
35.2500

126.5400,
160.7780, 233.7893

6.5718, 11.1872,
23.5704

158.6803,
198.9473, 283.8578

3.2397, 6.1929,
14.8060

195.8483,
242.7247, 340.6082

1.2818, 2.9627,
8.5383

238.4094,

0.1695, 1.1123,

292.4946, 404.4593

4.3486

286.7288,
348.6414, 475.8294

■ 0.0000, 0.0000,
1.8185

■ 0.0000, 0.0000,
0.4401

■ 40.9486, 56.4937,
91.9652

■ 40.9486, 56.4937,
91.9652

■ 40.9479, 56.4919,
91.9660

■ 41.9310, 57.8930,
92.1846

■ 43.3910, 59.5498,
92.4275

■ 45.4768, 61.5416,
92.7020

■ 48.2759, 63.9136,
93.0123

■ 51.8616, 66.7035,
93.3618

■ 56.2982, 69.9447,
93.7536

■ 61.6432, 73.6667,
94.1903

■ 67.9491, 77.8967,
94.6744

■ 75.2644, 82.6597,
95.2082

Harmonies

Analogous

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



38.6895, 56.4937, 64.5633



40.9486, 56.4937, 91.9652



46.6047, 56.4937, 115.0844

Triad

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



40.9486, 56.4937, 91.9652



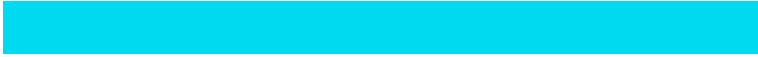
70.0909, 56.4937, 85.3325



52.6541, 56.4937, 25.0534

Complementary

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



40.9486, 56.4937, 91.9652



36.5842, 19.3166, 1.8022

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.



61.4715, 56.4937, 27.8409



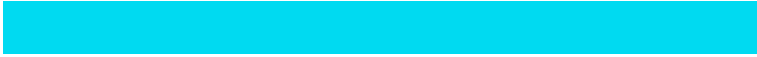
40.9486, 56.4937, 91.9652



72.1526, 56.4937, 58.5584

Square

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



40.9486, 56.4937, 91.9652



63.4800, 56.4937, 110.5860



68.8463, 56.4937, 38.6547



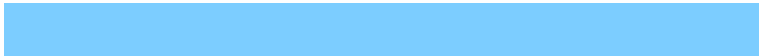
44.9720, 56.4937, 29.6485

Rectangle

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



40.9486, 56.4937, 91.9652



51.8543, 56.4937, 122.3561



68.8463, 56.4937, 38.6547



55.5799, 56.4937, 25.1657

Sweetspot

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



40.9504, 56.4957, 91.9666



69.9996, 83.6933, 107.0728



31.5841, 62.9628, 11.1570



14.4061, 17.5167, 22.8717



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.



40.9504, 56.4957, 91.9666



46.5305, 64.1811, 104.5435



20.4794, 15.5536, 85.1429



16.1109, 17.6559, 20.2804



22.2596, 30.7434, 49.8887



1.8890, 2.6319, 4.1627

Inverse Universe

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



48.9321, 23.7646, 68.3397



55.6157, 27.0103, 77.6312



45.7443, 37.6368, 4.8556



16.3854, 16.0039, 19.5858



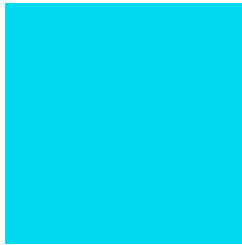
26.5612, 12.8969, 37.2016



2.2284, 1.0804, 3.1937

Previews

White Background



This preview shows how the XYZ color 40.9486, 56.4937, 91.9652 looks on a white background.

Color Contrast Check

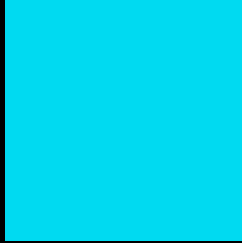
Large Text (above 18pt) WCAG AA × Fail

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 40.9486, 56.4937, 91.9652 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 40.9486, 56.4937, 91.9652

Background



This preview shows how black text looks on a background with the XYZ color 40.9486, 56.4937, 91.9652.

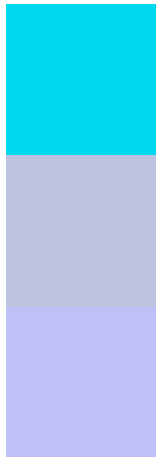


This preview shows how white text looks on a background with the XYZ color 40.9486, 56.4937,

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

40.9486, 56.4937, 91.9652

Protanopia

54.7284, 55.5976, 79.7984

Deuteranopia

57.0937, 55.8025, 95.7575



Tritanopia

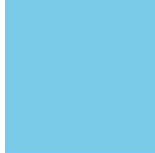
40.4718, 56.7192, 88.1717

Trichromacy



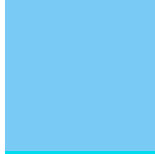
Original Color

40.9486, 56.4937, 91.9652



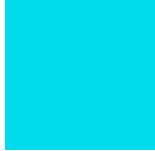
Protanomaly

43.8058, 52.6190, 83.4490



Deuteranomaly

45.4871, 52.8986, 94.1992



Tritanomaly

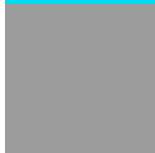
40.7641, 56.8361, 89.7109

Monochromacy



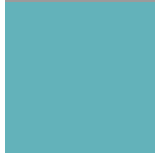
Original Color

40.9486, 56.4937, 91.9652



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.9289, 38.0386, 52.2191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9486, 56.4937, 91.9652 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, 218, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 241)  
}
```

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, 218, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 241) }
```

Border

The CSS property to change the border of an element to XYZ 40.9486, 56.4937, 91.9652 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, 218, 241) }
```


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

```
.border{ border-color:rgb(0, 218, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9486, 56.4937, 91.9652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 241) }
```

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

```
.background{ background-color: rgb(0, 218,  
241) }
```

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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