

Converting Colors

XYZ(40.8299, 55.3384, 94.7556)

Have a look what the booklet for
XYZ(40.8299, 55.3384, 94.7556)
contains.

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Color

**XYZ(40.7819, 55.1934,
94.8902)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7F5
RGB	0, 215, 245
RGB Percent	0%, 84%, 96%
CMY	0.9997, 0.1569, 0.0392
CMYK	1.00, 0.12, 0.00, 0.04
HSL	187°, 100%, 48%
HSV	187°, 100%, 96%
XYZ	40.7819, 55.1934, 94.8902
YIQ	154.1350, -137.7700, -36.2500

Conversions

Conversions Part 2

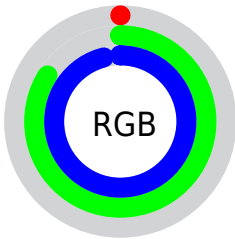
Format	Color
RYB	0, 115, 245
Decimal	55285
CIELab	79.15, -33.02, -26.98
CIELCh	79, 42.641, 219.252
Yxy	55.1934, 0.2137, 0.2892
Android (android.graphics.Color)	4278245365 (0xFF00D7F5)
YUV	154.1350, 44.7964, -135.1764
Hunter-Lab	74.2923, -32.0259, -23.7239

Details

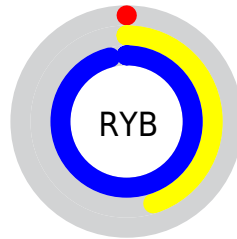
The XYZ color **40.7819, 55.1934, 94.8902** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.1232, 20.3452, 1.9198**, and the grayscale version is **30.6377, 32.2332, 35.1020**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.7561, 28.8157, 52.5594** is the 20% darker color. If you saturate the color by 10%, you get **40.7804, 55.1902, 94.8907**, and if you desaturate by 10%, it is **41.9444, 56.9386, 95.1669**.

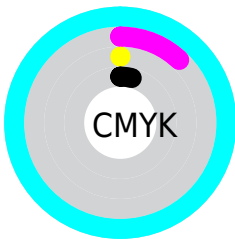
Distribution



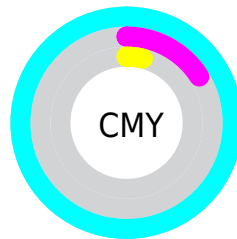
- Red (0%)
- Green (84%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (16%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7819, 55.1934, 94.8902 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 40.7819, 55.1934, 94.8902 by changing the saturation by 10% instead.

40.7819, 55.1934,
94.8902

40.7819, 55.1934,
94.8902

340.4864,
406.6446, 564.7888

28.3356, 39.5566,
71.4472

75.6295, 97.8243,
156.1072

18.7206, 27.1930,
52.2232

98.7615, 125.5871,
194.7182

11.5713, 17.7182,
36.7995

126.1862,
158.1607, 239.2224

6.5226, 10.7479,
24.7577

158.2688,
195.9295, 290.0382

3.2090, 5.8976,
15.6793

195.3748,
239.2779, 347.5842

1.2653, 2.7829,
9.1456

237.8695,

0.1570, 1.0195,

288.5903, 412.2790

4.7382

286.1183,
344.2511, 484.5410

■ 0.0000, 0.0000,
2.0384

■ 0.0000, 0.0000,
0.5788

■ 40.7819, 55.1934,
94.8902

■ 40.7819, 55.1934,
94.8902

■ 40.7804, 55.1902,
94.8907

■ 41.9444, 56.9386,
95.1669

■ 43.6095, 58.9626,
95.4698

■ 45.9301, 61.3457,
95.8075

■ 48.9975, 64.1349,
96.1841

■ 52.8881, 67.3697,
96.6035

■ 57.6689, 71.0847,
97.0686

■ 63.3998, 75.3110,
97.5823

■ 70.1355, 80.0769,
98.1472

■ 77.9266, 85.4085,
98.7656

Harmonies

Analogous

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



37.9107, 55.1934, 67.9498



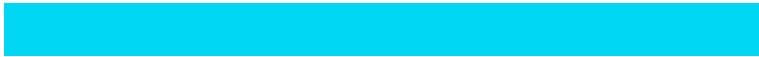
40.7819, 55.1934, 94.8902



46.8741, 55.1934, 115.4323

Triad

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



40.7819, 55.1934, 94.8902



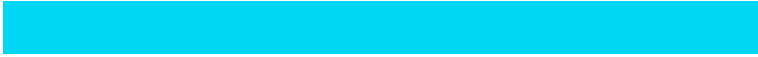
69.2968, 55.1934, 78.2723



49.8726, 55.1934, 24.6958

Complementary

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



40.7819, 55.1934, 94.8902



38.1232, 20.3452, 1.9198

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.



58.4722, 55.1934, 26.0631



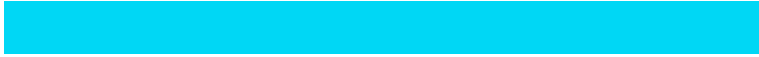
40.7819, 55.1934, 94.8902



70.3230, 55.1934, 52.8724

Square

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



40.7819, 55.1934, 94.8902



63.5087, 55.1934, 104.1773



66.1776, 55.1934, 35.0549



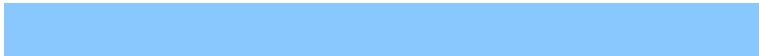
42.7728, 55.1934, 30.6226

Rectangle

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



40.7819, 55.1934, 94.8902



52.2464, 55.1934, 120.1857



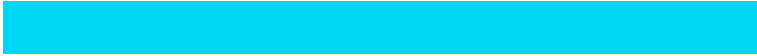
66.1776, 55.1934, 35.0549



52.6735, 55.1934, 24.3626

Sweetspot

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



40.7837, 55.1954, 94.8916



69.3684, 82.4310, 106.8624



32.8712, 65.3931, 12.0295



14.2530, 17.2105, 22.8207



0.0000, 0.0000, 0.0000



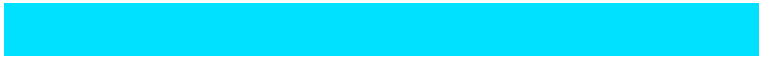
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7837, 55.1954, 94.8916



44.6432, 60.4064, 103.9144



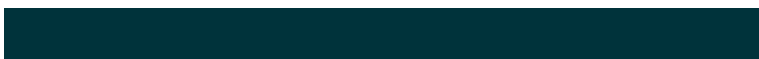
20.4820, 14.5921, 88.1243



16.8134, 18.3910, 21.2062



22.0384, 29.8705, 51.1421



1.9847, 2.7208, 4.5108

Inverse Universe

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



49.9236, 24.3208, 66.3549



54.6630, 26.6292, 72.6147



48.7419, 41.5825, 5.4594



17.1211, 16.7313, 20.3844



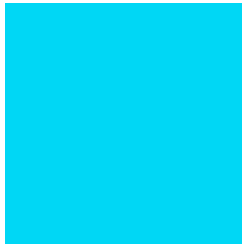
26.9285, 13.1148, 35.9272



2.3908, 1.1623, 3.2845

Previews

White Background



This preview shows how the XYZ color 40.7819, 55.1934, 94.8902 looks on a white background.

Color Contrast Check

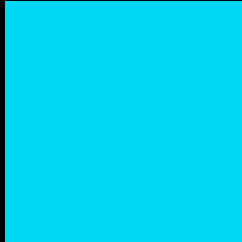
Large Text (above 18pt) WCAG AA × Fail

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 40.7819, 55.1934, 94.8902 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 40.7819, 55.1934, 94.8902

Background



This preview shows how black text looks on a background with the XYZ color 40.7819, 55.1934, 94.8902.

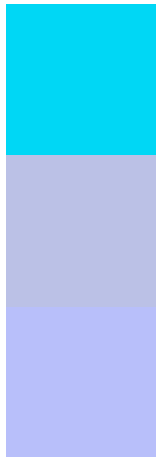


This preview shows how white text looks on a background with the XYZ color 40.7819, 55.1934,

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

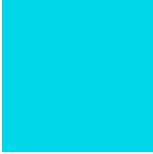
40.7819, 55.1934, 94.8902

Protanopia

53.8464, 54.4179, 82.5286

Deuteranopia

55.6533, 54.3541, 98.0006



Tritanopia

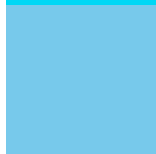
39.4071, 55.0522, 86.3911

Trichromacy



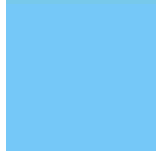
Original Color

40.7819, 55.1934, 94.8902



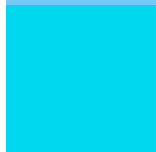
Protanomaly

43.4898, 51.6934, 86.2829



Deuteranomaly

44.9337, 51.8678, 96.4502



Tritanomaly

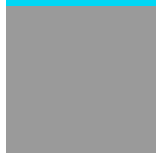
39.9885, 55.2848, 89.4523

Monochromacy



Original Color

40.7819, 55.1934, 94.8902



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.5320, 37.2352, 52.6443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7819, 55.1934, 94.8902 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, 215, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 245)  
}
```

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, 215, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 245) }
```

Border

The CSS property to change the border of an element to XYZ 40.7819, 55.1934, 94.8902 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, 215, 245) }
```


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

```
.border{ border-color:rgb(0, 215, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7819, 55.1934, 94.8902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 245) }
```

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

```
.background{ background-color: rgb(0, 215,  
245) }
```

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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