

Converting Colors

XYZ(34.6267, 51.7481, 94.6284)

Have a look what the booklet for
XYZ(34.6267, 51.7481, 94.6284)
contains.

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Color

**XYZ(40.5280, 54.6857,
94.8055)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6F5
RGB	0, 214, 245
RGB Percent	0%, 84%, 96%
CMY	0.9997, 0.1608, 0.0392
CMYK	1.00, 0.13, 0.00, 0.04
HSL	188°, 100%, 48%
HSV	188°, 100%, 96%
XYZ	40.5280, 54.6857, 94.8055
YIQ	153.5480, -137.4950, -35.7270

Conversions

Conversions Part 2

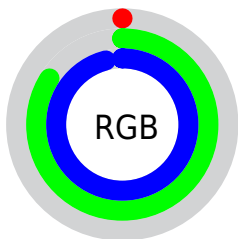
Format	Color
RYB	0, 114, 245
Decimal	55029
CIELab	78.86, -32.54, -27.43
CIELCh	79, 42.560, 220.125
Yxy	54.6857, 0.2133, 0.2878
Android (android.graphics.Color)	4278245109 (0xFF00D6F5)
YUV	153.5480, 45.0858, -134.6616
Hunter-Lab	73.9498, -31.5856, -24.2464

Details

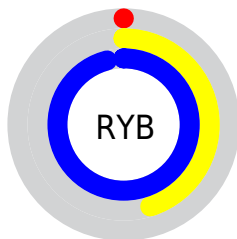
The XYZ color **40.5280, 54.6857, 94.8055** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.1488, 20.3965, 1.9283**, and the grayscale version is **30.3794, 31.9615, 34.8060**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.5834, 28.4704, 52.5019** is the 20% darker color. If you saturate the color by 10%, you get **40.5266, 54.6826, 94.8060**, and if you desaturate by 10%, it is **41.7116, 56.4730, 95.0892**.

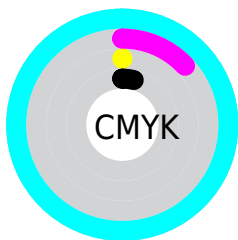
Distribution



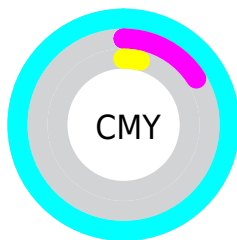
- Red (0%)
- Green (84%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5280, 54.6857, 94.8055 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 40.5280, 54.6857, 94.8055 by changing the saturation by 10% instead.

40.5280, 54.6857,
94.8055

40.5280, 54.6857,
94.8055

339.4404,
404.7194, 564.5105

28.1365, 39.1501,
71.3771

75.2461, 97.0803,
155.9891

18.5696, 26.8765,
52.1663

98.3034, 124.7081,
194.5815

11.4618, 17.4805,
36.7545

125.6467,
157.1355, 239.0655

6.4479, 10.5777,
24.7232

157.6414,
194.7468, 289.8598

3.1625, 5.7836,
15.6538

194.6527,
237.9265, 347.3829

1.2403, 2.7140,
9.1278

237.0461,

0.1378, 0.9843,

287.0589, 412.0534

4.7267

285.1869,
342.5284, 484.2898

■ 0.0000, 0.0000,
2.0319

■ 0.0000, 0.0000,
0.5748

■ 40.5280, 54.6857,
94.8055

■ 40.5280, 54.6857,
94.8055

■ 40.5266, 54.6826,
94.8060

■ 41.7116, 56.4730,
95.0892

■ 43.3985, 58.5411,
95.3994

■ 45.7420, 60.9700,
95.7448

■ 48.8332, 63.8070,
96.1294

■ 52.7485, 67.0914,
96.5570

■ 57.5550, 70.8580,
97.0307

■ 63.3125, 75.1379,
97.5533

■ 70.0759, 79.9592,
98.1275

■ 77.8955, 85.3481,
98.7555

Harmonies

Analogous

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



37.5804, 54.6857, 68.0951



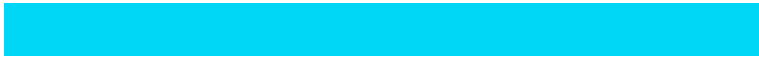
40.5280, 54.6857, 94.8055



46.6522, 54.6857, 114.8298

Triad

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



40.5280, 54.6857, 94.8055



68.7842, 54.6857, 76.7854



49.1756, 54.6857, 24.5049

Complementary

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



40.5280, 54.6857, 94.8055



38.1488, 20.3965, 1.9283

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.



57.6925, 54.6857, 25.6536



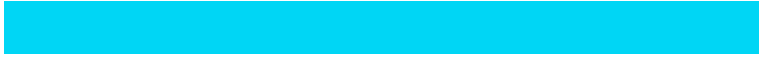
40.5280, 54.6857, 94.8055



69.6484, 54.6857, 51.7395

Square

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



40.5280, 54.6857, 94.8055



63.1547, 54.6857, 102.6281



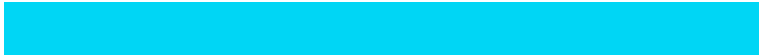
65.4018, 54.6857, 34.3293



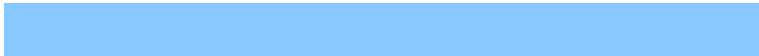
42.2029, 54.6857, 30.6034

Rectangle

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



40.5280, 54.6857, 94.8055



52.0127, 54.6857, 119.1728



65.4018, 54.6857, 34.3293



51.9416, 54.6857, 24.1065

Sweetspot

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



40.5298, 54.6877, 94.8068



69.2738, 82.2417, 106.8309



32.8711, 65.3930, 12.0292



14.2301, 17.1646, 22.8130



0.0000, 0.0000, 0.0000



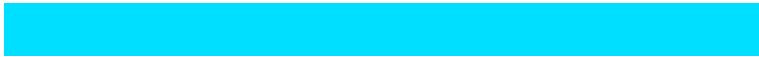
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5298, 54.6877, 94.8068



44.3648, 59.8496, 103.8216



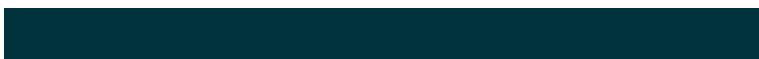
20.4817, 14.5916, 88.1242



16.8073, 18.3789, 21.2042



21.9035, 29.6008, 51.0971



1.9741, 2.6997, 4.5073

Inverse Universe

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



49.7954, 24.2694, 65.6802



54.5225, 26.5730, 71.8747



48.7416, 41.5819, 5.4592



17.1181, 16.7301, 20.3683



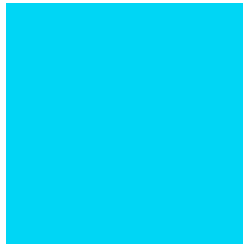
26.8604, 13.0876, 35.5689



2.3855, 1.1602, 3.2565

Previews

White Background



This preview shows how the XYZ color 40.5280, 54.6857, 94.8055 looks on a white background.

Color Contrast Check

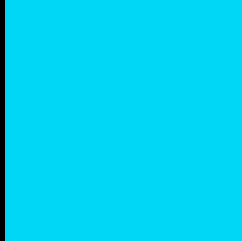
Large Text (above 18pt) WCAG AA × Fail

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 40.5280, 54.6857, 94.8055 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 40.5280, 54.6857, 94.8055

Background



This preview shows how black text looks on a background with the XYZ color 40.5280, 54.6857, 94.8055.

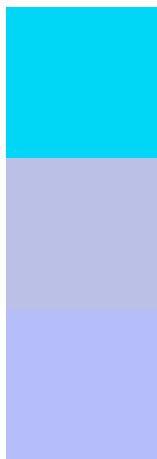


This preview shows how white text looks on a background with the XYZ color 40.5280, 54.6857,

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

40.5280, 54.6857, 94.8055

Protanopia

53.3823, 53.8515, 82.4438

Deuteranopia

54.9602, 53.6741, 97.9059



Tritanopia

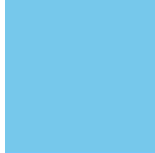
39.0084, 54.4841, 85.5513

Trichromacy



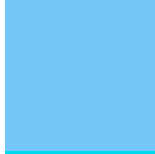
Original Color

40.5280, 54.6857, 94.8055



Protanomaly

43.1209, 51.1583, 86.1991



Deuteranomaly

44.5692, 51.3372, 96.3670



Tritanomaly

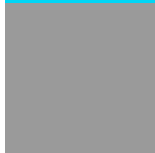
39.5865, 54.7153, 88.5954

Monochromacy



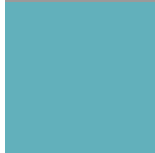
Original Color

40.5280, 54.6857, 94.8055



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 40.5280, 54.6857, 94.8055 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, 214, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 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, 214, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 245) }
```

Border

The CSS property to change the border of an element to XYZ 40.5280, 54.6857, 94.8055 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, 214, 245) }
```


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

```
.border{ border-color:rgb(0, 214, 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, 214, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5280, 54.6857, 94.8055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 245) }
```

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

```
.background{ background-color: rgb(0, 214,  
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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