

Converting Colors

XYZ(40.6148, 54.2585, 96.6864)

Have a look what the booklet for
XYZ(40.6148, 54.2585, 96.6864)
contains.

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Color

**XYZ(40.5828, 54.3039,
96.3385)**

Conversions

Conversions Part 1

Format	Color
Hex	00D5F7
RGB	0, 213, 247
RGB Percent	0%, 84%, 97%
CMY	0.9997, 0.1647, 0.0314
CMYK	1.00, 0.14, 0.00, 0.03
HSL	188°, 100%, 48%
HSV	188°, 100%, 97%
XYZ	40.5828, 54.3039, 96.3385
YIQ	153.1890, -137.8620, -34.5820

Conversions

Conversions Part 2

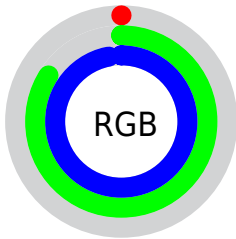
Format	Color
RYB	0, 114, 247
Decimal	54775
CIELab	78.64, -31.42, -28.83
CIELCh	79, 42.645, 222.543
Yxy	54.3039, 0.2122, 0.2840
Android (android.graphics.Color)	4278244855 (0xFF00D5F7)
YUV	153.1890, 46.2488, -134.3468
Hunter-Lab	73.6912, -30.6570, -25.9276

Details

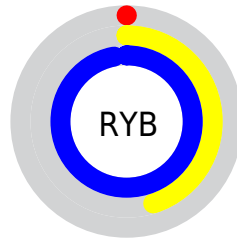
The XYZ color **40.5828, 54.3039, 96.3385** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.9328, 20.9229, 1.9887**, and the grayscale version is **30.2189, 31.7926, 34.6222**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.6308, 28.2153, 53.5962** is the 20% darker color. If you saturate the color by 10%, you get **40.5810, 54.3001, 96.3389**, and if you desaturate by 10%, it is **41.8435, 56.2381, 96.6465**.

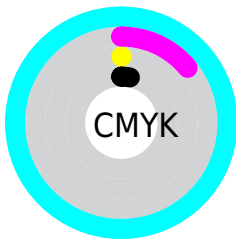
Distribution



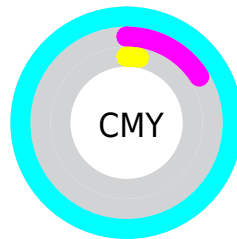
- Red (0%)
- Green (84%)
- Blue (97%)



- Red (0%)
- Yellow (45%)
- Blue (97%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (16%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5828, 54.3039, 96.3385 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 40.5828, 54.3039, 96.3385 by changing the saturation by 10% instead.

40.5828, 54.3039,
96.3385

40.5828, 54.3039,
96.3385

339.6664,
403.2678, 569.5347

28.1795, 38.8447,
72.6465

75.3289, 96.5203,
158.1240

18.6021, 26.6389,
53.1969

98.4023, 124.0463,
197.0545

11.4854, 17.3022,
37.5712

125.7632,
156.3633, 241.9016

6.4640, 10.4502,
25.3508

157.7769,
193.8558, 293.0838

3.1726, 5.6985,
16.1172

194.8087,
236.9080, 351.0197

1.2457, 2.6626,
9.4519

237.2239,

0.1420, 0.9582,

285.9045, 416.1277

4.9363

285.3880,
341.2297, 488.8266

■ 0.0000, 0.0000,
2.1518

■ 0.0000, 0.0000,
0.6464

■ 40.5828, 54.3039,
96.3385

■ 40.5828, 54.3039,
96.3385

■ 40.5810, 54.3001,
96.3389

■ 41.8435, 56.2381,
96.6465

■ 43.6203, 58.4642,
96.9825

■ 46.0689, 61.0635,
97.3551

■ 49.2823, 64.0842,
97.7688

■ 53.3386, 67.5667,
98.2272

■ 58.3061, 71.5464,
98.7336

■ 64.2460, 76.0549,
99.2907

■ 71.2142, 81.1212,
99.9014

■ 79.2621, 86.7721,
100.5679

Harmonies

Analogous

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



37.3707, 54.3039, 69.7777



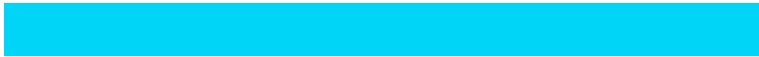
40.5828, 54.3039, 96.3385



46.9088, 54.3039, 115.2939

Triad

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



40.5828, 54.3039, 96.3385



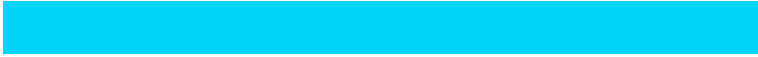
68.6472, 54.3039, 74.1543



48.1781, 54.3039, 24.4376

Complementary

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



40.5828, 54.3039, 96.3385



38.9328, 20.9229, 1.9887

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.



56.6243, 54.3039, 25.0130



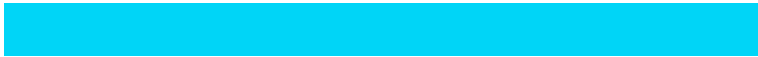
40.5828, 54.3039, 96.3385



69.0826, 54.3039, 49.6206

Square

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



40.5828, 54.3039, 96.3385



63.3510, 54.3039, 100.2834



64.4829, 54.3039, 32.9951



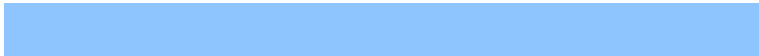
41.4247, 54.3039, 31.1262

Rectangle

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



40.5828, 54.3039, 96.3385



52.3357, 54.3039, 118.5863



64.4829, 54.3039, 32.9951



50.8994, 54.3039, 23.8538

Sweetspot

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



40.5846, 54.3058, 96.3398



69.0164, 81.7269, 106.7451



33.5366, 66.6327, 12.5326



14.1677, 17.0399, 22.7923



0.0000, 0.0000, 0.0000



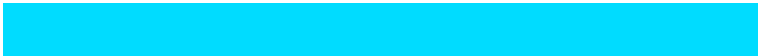
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5846, 54.3058, 96.3398



43.6142, 58.3485, 103.5714



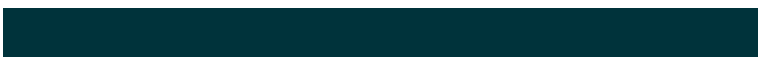
20.4979, 14.1325, 89.6443



16.7908, 18.3458, 21.1987



21.5399, 28.8736, 50.9759



1.9457, 2.6428, 4.4978

Inverse Universe

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



50.3697, 24.5803, 65.0423



54.1436, 26.4215, 69.8797



50.3248, 43.7068, 5.7860



17.1097, 16.7267, 20.3244



26.6769, 13.0142, 34.6024



2.3712, 1.1544, 3.1809

Previews

White Background



This preview shows how the XYZ color 40.5828, 54.3039, 96.3385 looks on a white background.

Color Contrast Check

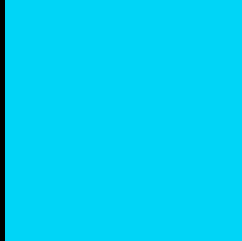
Large Text (above 18pt) WCAG AA × Fail

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 40.5828, 54.3039, 96.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

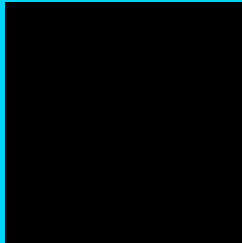
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5828, 54.3039, 96.3385

Background



This preview shows how black text looks on a background with the XYZ color 40.5828, 54.3039, 96.3385.



This preview shows how white text looks on a background with the XYZ color 40.5828, 54.3039,

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

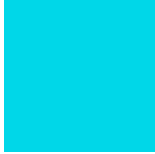
40.5828, 54.3039, 96.3385

Protanopia

52.9635, 53.2781, 83.8362

Deuteranopia

54.8065, 53.5585, 99.5447



Tritanopia

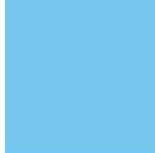
38.8659, 54.4271, 84.8010

Trichromacy



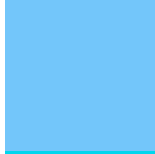
Original Color

40.5828, 54.3039, 96.3385



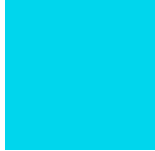
Protanomaly

43.0456, 50.7432, 87.6464



Deuteranomaly

44.5196, 50.9351, 97.9275



Tritanomaly

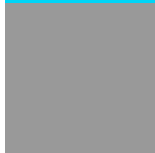
39.3326, 54.2076, 88.5108

Monochromacy



Original Color

40.5828, 54.3039, 96.3385



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.2294, 36.7892, 52.5742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5828, 54.3039, 96.3385 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, 213, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 247)  
}
```

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, 213, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 247) }
```

Border

The CSS property to change the border of an element to XYZ 40.5828, 54.3039, 96.3385 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, 213, 247) }
```


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

```
.border{ border-color:rgb(0, 213, 247) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5828, 54.3039, 96.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 247) }
```

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

```
.background{ background-color: rgb(0, 213,  
247) }
```

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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