

Converting Colors

XYZ(40.8665, 54.7849, 96.6998)

Have a look what the booklet for
XYZ(40.8665, 54.7849, 96.6998)
contains.

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Color

**XYZ(40.8351, 54.8085,
96.4226)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6F7
RGB	0, 214, 247
RGB Percent	0%, 84%, 97%
CMY	0.9997, 0.1608, 0.0314
CMYK	1.00, 0.13, 0.00, 0.03
HSL	188°, 100%, 48%
HSV	188°, 100%, 97%
XYZ	40.8351, 54.8085, 96.4226
YIQ	153.7760, -138.1370, -35.1050

Conversions

Conversions Part 2

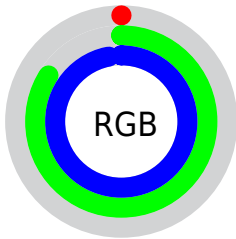
Format	Color
RYB	0, 115, 247
Decimal	55031
CIELab	78.93, -31.90, -28.39
CIELCh	79, 42.701, 221.663
Yxy	54.8085, 0.2126, 0.2854
Android (android.graphics.Color)	4278245111 (0xFF00D6F7)
YUV	153.7760, 45.9594, -134.8616
Hunter-Lab	74.0328, -31.1000, -25.3982

Details

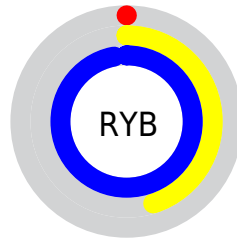
The XYZ color **40.8351, 54.8085, 96.4226** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.9046, 20.8664, 1.9793**, and the grayscale version is **30.4759, 32.0630, 34.9167**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.8021, 28.5579, 53.6533** is the 20% darker color. If you saturate the color by 10%, you get **40.8334, 54.8049, 96.4231**, and if you desaturate by 10%, it is **42.0753, 56.7017, 96.7237**.

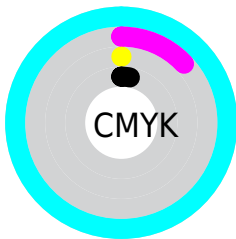
Distribution



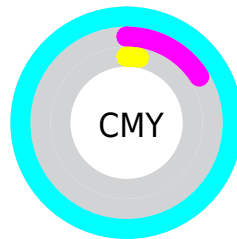
- Red (0%)
- Green (84%)
- Blue (97%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8351, 54.8085, 96.4226 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 40.8351, 54.8085, 96.4226 by changing the saturation by 10% instead.

40.8351, 54.8085,
96.4226

40.8351, 54.8085,
96.4226

340.7053,
405.1856, 569.8096

28.3774, 39.2484,
72.7162

75.7098, 97.2603,
158.2410

18.7522, 26.9530,
53.2535

98.8575, 124.9209,
197.1900

11.5943, 17.5380,
37.6161

126.2991,
157.3837, 242.0569

6.5383, 10.6188,
25.3853

158.4002,
195.0331, 293.2603

3.2188, 5.8111,
16.1427

195.5260,
238.2537, 351.2188

1.2705, 2.7306,
9.4698

238.0419,

0.1610, 0.9927,

287.4297, 416.3508

4.9479

286.3132,
342.9455, 489.0749

■ 0.0000, 0.0000,
2.1585

■ 0.0000, 0.0000,
0.6503

■ 40.8351, 54.8085,
96.4226

■ 40.8351, 54.8085,
96.4226

■ 40.8334, 54.8049,
96.4231

■ 42.0753, 56.7017,
96.7237

■ 43.8305, 58.8846,
97.0526

■ 46.2565, 61.4387,
97.4177

■ 49.4463, 64.4122,
97.8235

■ 53.4779, 67.8453,
98.2737

■ 58.4197, 71.7735,
98.7714

■ 64.3328, 76.2284,
99.3197

■ 71.2731, 81.2390,
99.9210

■ 79.2921, 86.8320,
100.5779

Harmonies

Analogous

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



37.6983, 54.8085, 69.6265



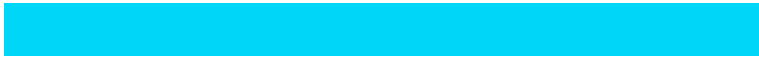
40.8351, 54.8085, 96.4226



47.1296, 54.8085, 115.8996

Triad

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



40.8351, 54.8085, 96.4226



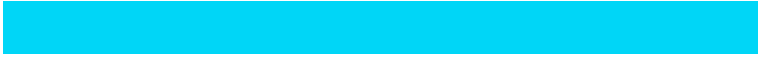
69.1590, 54.8085, 75.6105



48.8658, 54.8085, 24.6259

Complementary

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



40.8351, 54.8085, 96.4226



38.9046, 20.8664, 1.9793

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.



57.3950, 54.8085, 25.4141



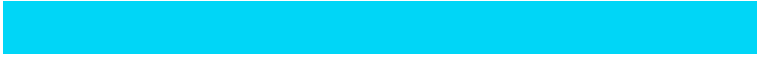
40.8351, 54.8085, 96.4226



69.7542, 54.8085, 50.7238

Square

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



40.8351, 54.8085, 96.4226



63.7048, 54.8085, 101.8138



65.2523, 54.8085, 33.7014



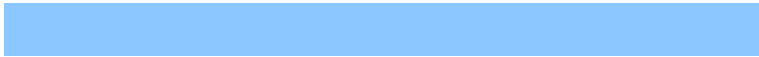
41.9870, 54.8085, 31.1424

Rectangle

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



40.8351, 54.8085, 96.4226



52.5687, 54.8085, 119.5994



65.2523, 54.8085, 33.7014



51.6219, 54.8085, 24.1059

Sweetspot

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



40.8369, 54.8105, 96.4240



69.1099, 81.9140, 106.7762



33.5366, 66.6327, 12.5326



14.1904, 17.0852, 22.7998



0.0000, 0.0000, 0.0000



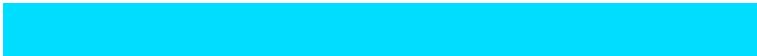
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8369, 54.8105, 96.4240



43.8859, 58.8919, 103.6620



20.4979, 14.1325, 89.6443



16.7968, 18.3579, 21.2007



21.6716, 29.1369, 51.0198



1.9560, 2.6634, 4.5012

Inverse Universe

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



50.4970, 24.6312, 65.7129



54.2808, 26.4763, 70.6018



50.3248, 43.7068, 5.7860



17.1128, 16.7280, 20.3403



26.7433, 13.0408, 34.9523



2.3764, 1.1565, 3.2083

Previews

White Background



This preview shows how the XYZ color 40.8351, 54.8085, 96.4226 looks on a white background.

Color Contrast Check

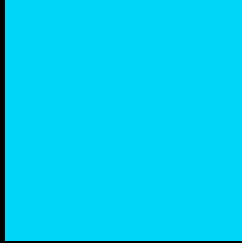
Large Text (above 18pt) WCAG AA × Fail

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 40.8351, 54.8085, 96.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

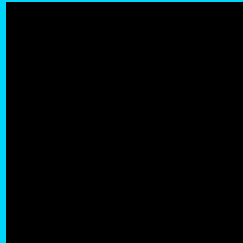
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8351, 54.8085, 96.4226

Background



This preview shows how black text looks on a background with the XYZ color 40.8351, 54.8085, 96.4226.

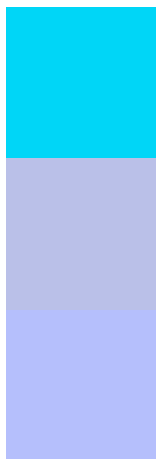


This preview shows how white text looks on a background with the XYZ color 40.8351, 54.8085,

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

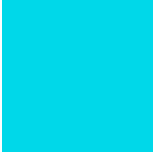
40.8351, 54.8085, 96.4226

Protanopia

53.6648, 53.9646, 83.9317

Deuteranopia

55.2575, 54.1136, 99.6281



Tritanopia

39.2638, 54.9949, 85.6365

Trichromacy



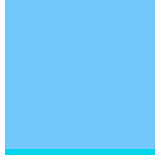
Original Color

40.8351, 54.8085, 96.4226



Protanomaly

43.4116, 51.2745, 87.7297



Deuteranomaly

44.7490, 51.3938, 98.0040



Tritanomaly

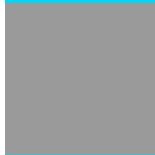
39.7331, 54.7739, 89.3672

Monochromacy



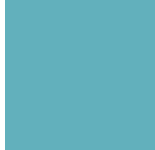
Original Color

40.8351, 54.8085, 96.4226



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.6394, 37.2782, 53.2102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8351, 54.8085, 96.4226 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 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, 214, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 247) }
```

Border

The CSS property to change the border of an element to XYZ 40.8351, 54.8085, 96.4226 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, 247) }
```


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

```
.border{ border-color:rgb(0, 214, 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, 214, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8351, 54.8085, 96.4226 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, 247) }
```

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

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