

Converting Colors

XYZ(40.8663, 53.5053,
100.6435)

Have a look what the booklet for
XYZ(40.8663, 53.5053, 100.6435)
contains.

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Color

**XYZ(40.8650, 53.6168,
100.2907)**

Conversions

Conversions Part 1

Format	Color
Hex	00D3FC
RGB	0, 211, 252
RGB Percent	0%, 83%, 99%
CMY	0.9997, 0.1725, 0.0118
CMYK	1.00, 0.16, 0.00, 0.01
HSL	190°, 100%, 49%
HSV	190°, 100%, 99%
XYZ	40.8650, 53.6168, 100.2907
YIQ	152.5850, -138.9170, -31.9810

Conversions

Conversions Part 2

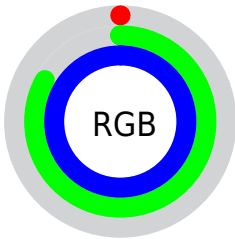
Format	Color
RYB	0, 115, 252
Decimal	54268
CIELab	78.24, -28.82, -32.12
CIELCh	78, 43.152, 228.094
Yxy	53.6168, 0.2098, 0.2753
Android (android.graphics.Color)	4278244348 (0xFF00D3FC)
YUV	152.5850, 49.0116, -133.8170
Hunter-Lab	73.2235, -28.5228, -29.9502

Details

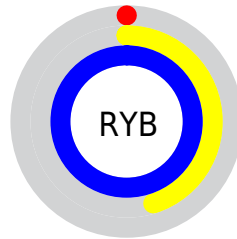
The XYZ color **40.8650, 53.6168, 100.2907** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.9414, 22.2872, 2.1463**, and the grayscale version is **29.9464, 31.5060, 34.3100**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **21.7388, 27.7171, 55.8339** is the 20% darker color. If you saturate the color by 10%, you get **40.8626, 53.6117, 100.2909**, and if you desaturate by 10%, it is **42.3056, 55.8923, 100.6551**.

Distribution



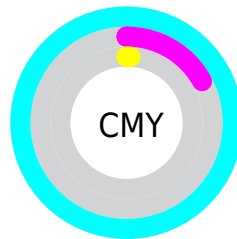
- Red (0%)
- Green (83%)
- Blue (99%)



- Red (0%)
- Yellow (45%)
- Blue (99%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (17%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8650, 53.6168, 100.2907 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 40.8650, 53.6168, 100.2907 by changing the saturation by 10% instead.

40.8650, 53.6168,
100.2907

40.8650, 53.6168,
100.2907

340.8283,
400.6471, 582.3789

28.4008, 38.2954,
75.9251

75.7549, 95.5114,
163.6120

18.7700, 26.2120,
55.8648

98.9114, 122.8533,
203.4047

11.6072, 16.9823,
39.6913

126.3626,
154.9709, 249.1769

6.5471, 10.2219,
26.9860

158.4740,
192.2485, 301.3472

3.2243, 5.5463,
17.3303

195.6109,
235.0705, 360.3339

1.2735, 2.5712,
10.3058

238.1387,

0.1632, 0.9122,

283.8214, 426.5558

5.4940

286.4227,
338.8854, 500.4313

■ 0.0000, 0.0000,
2.4761

■ 0.0000, 0.0000,
0.8275

■ 40.8650, 53.6168,
100.2907

■ 40.8650, 53.6168,
100.2907

■ 40.8626, 53.6117,
100.2909

■ 42.3056, 55.8923,
100.6551

■ 44.2951, 58.4888,
101.0514

■ 46.9956, 61.4909,
101.4885

■ 50.5050, 64.9494,
101.9711

■ 54.9054, 68.9070,
102.5031

■ 60.2687, 73.4009,
103.0878

■ 66.6593, 78.4646,
103.7284

■ 74.1359, 84.1287,
104.4276

■ 82.7527, 90.4213,
105.1880

Harmonies

Analogous

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



37.0295, 53.6168, 74.0504



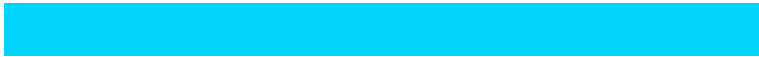
40.8650, 53.6168, 100.2907



47.6835, 53.6168, 116.7449

Triad

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



40.8650, 53.6168, 100.2907



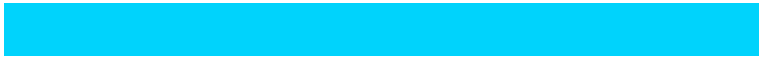
68.5623, 53.6168, 68.5107



46.0815, 53.6168, 24.3884

Complementary

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



40.8650, 53.6168, 100.2907



40.9414, 22.2872, 2.1463

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.



54.3857, 53.6168, 23.6693



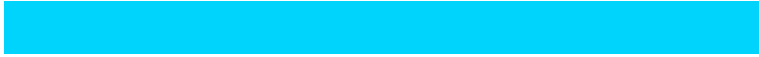
40.8650, 53.6168, 100.2907



68.0107, 53.6168, 45.0920

Square

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



40.8650, 53.6168, 100.2907



64.0296, 53.6168, 95.2830



62.5967, 53.6168, 30.1535



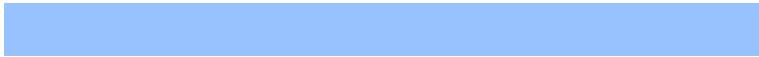
39.8041, 53.6168, 32.4977

Rectangle

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



40.8650, 53.6168, 100.2907



53.2824, 53.6168, 117.5996



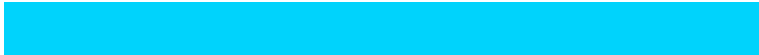
62.5967, 53.6168, 30.1535



48.7083, 53.6168, 23.3763

Sweetspot

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



40.8668, 53.6187, 100.2920



68.4411, 80.5764, 106.5533



35.1595, 69.7612, 13.4348



14.0285, 16.7615, 22.7459



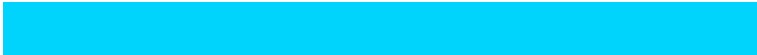
0.0000, 0.0000, 0.0000



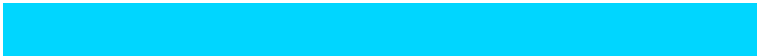
20.3446, 21.4041, 23.3091

Same Dimension

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



40.8668, 53.6187, 100.2920



41.9703, 55.0606, 103.0234



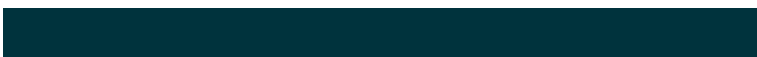
21.0824, 14.0498, 93.6972



17.5112, 19.0993, 22.1489



21.3780, 28.1115, 52.2729



2.0420, 2.7278, 4.8621

Inverse Universe

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



51.9044, 25.4007, 63.7969



53.3139, 26.0895, 65.5101



53.3906, 47.1856, 6.2960



17.8646, 17.4732, 21.1426



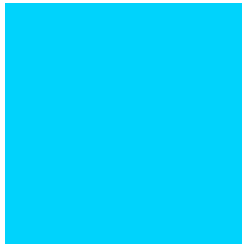
27.0826, 13.2488, 33.4732



2.5397, 1.2396, 3.2652

Previews

White Background



This preview shows how the XYZ color 40.8650, 53.6168, 100.2907 looks on a white background.

Color Contrast Check

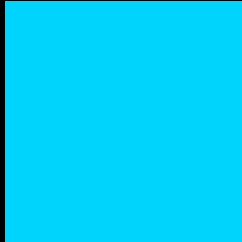
Large Text (above 18pt) WCAG AA × Fail

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 40.8650, 53.6168, 100.2907 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 40.8650, 53.6168, 100.2907

Background



This preview shows how black text looks on a background with the XYZ color 40.8650, 53.6168, 100.2907.



This preview shows how white text looks on a background with the XYZ color 40.8650, 53.6168,

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

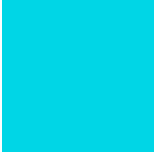
40.8650, 53.6168, 100.2907

Protanopia

52.7556, 52.7651, 87.5249

Deuteranopia

53.9268, 52.7292, 101.9432



Tritanopia

38.3295, 53.8063, 83.2284

Trichromacy



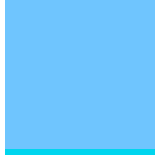
Original Color

40.8650, 53.6168, 100.2907



Protanomaly

43.2913, 50.4438, 91.4593



Deuteranomaly

44.4112, 50.4678, 101.1665



Tritanomaly

39.2269, 53.7615, 89.1985

Monochromacy



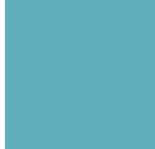
Original Color

40.8650, 53.6168, 100.2907



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

29.2511, 36.4876, 53.6452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8650, 53.6168, 100.2907 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, 211, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 252)  
}
```

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, 211, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 252) }
```

Border

The CSS property to change the border of an element to XYZ 40.8650, 53.6168, 100.2907 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, 211, 252) }
```


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

```
.border{ border-color:rgb(0, 211, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 211, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8650, 53.6168, 100.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 252) }
```

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

```
.background{ background-color: rgb(0, 211,  
252) }
```

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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