

Converting Colors

XYZ(39.8528, 53.0439, 98.7572)

Have a look what the booklet for
XYZ(39.8528, 53.0439, 98.7572)
contains.

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Color

**XYZ(40.5496, 53.4907,
98.6300)**

Conversions

Conversions Part 1

Format	Color
Hex	00D3FA
RGB	0, 211, 250
RGB Percent	0%, 83%, 98%
CMY	0.9997, 0.1725, 0.0196
CMYK	1.00, 0.16, 0.00, 0.02
HSL	189°, 100%, 49%
HSV	189°, 100%, 98%
XYZ	40.5496, 53.4907, 98.6300
YIQ	152.3570, -138.2750, -32.6030

Conversions

Conversions Part 2

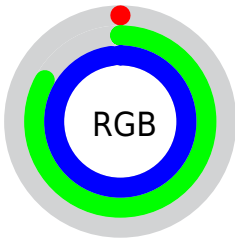
Format	Color
RYB	0, 114, 250
Decimal	54266
CIELab	78.16, -29.48, -31.16
CIELCh	78, 42.895, 226.594
Yxy	53.4907, 0.2105, 0.2776
Android (android.graphics.Color)	4278244346 (0xFF00D3FA)
YUV	152.3570, 48.1380, -133.6171
Hunter-Lab	73.1373, -29.0244, -28.7599

Details

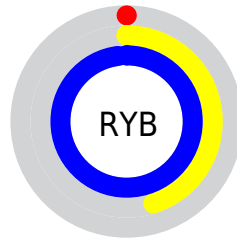
The XYZ color **40.5496, 53.4907, 98.6300** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.1531, 21.7801, 2.0898**, and the grayscale version is **29.8505, 31.4051, 34.2001**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **21.5141, 27.6272, 54.6507** is the 20% darker color. If you saturate the color by 10%, you get **40.5476, 53.4865, 98.6303**, and if you desaturate by 10%, it is **41.9342, 55.6617, 98.9771**.

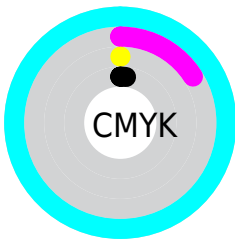
Distribution



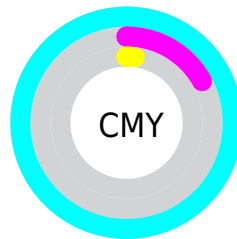
- Red (0%)
- Green (83%)
- Blue (98%)



- Red (0%)
- Yellow (45%)
- Blue (98%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (17%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5496, 53.4907, 98.6300 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 40.5496, 53.4907, 98.6300 by changing the saturation by 10% instead.

40.5496, 53.4907,
98.6300

40.5496, 53.4907,
98.6300

339.5295,
400.1649, 577.0005

28.1534, 38.1946,
74.5464

75.2787, 95.3260,
161.3086

18.5824, 26.1338,
54.7419

98.3424, 122.6341,
200.7407

11.4711, 16.9238,
38.7979

125.6926,
154.7150, 246.1261

6.4543, 10.1801,
26.2959

157.6948,
191.9530, 297.8832

3.1665, 5.5186,
16.8174

194.7142,
234.7326, 356.4307

1.2424, 2.5546,
9.9438

237.1162,

0.1395, 0.9039,

283.4382, 422.1870

5.2566

285.2662,
338.4542, 495.5708

■ 0.0000, 0.0000,
2.3372

■ 0.0000, 0.0000,
0.7520

■ 40.5496, 53.4907,
98.6300

■ 40.5496, 53.4907,
98.6300

■ 40.5476, 53.4865,
98.6303

■ 41.9342, 55.6617,
98.9771

■ 43.8551, 58.1434,
99.3549

■ 46.4720, 61.0193,
99.7721

■ 49.8808, 64.3390,
100.2332

■ 54.1620, 68.1443,
100.7420

■ 59.3861, 72.4718,
101.3020

■ 65.6160, 77.3543,
101.9160

■ 72.9095, 82.8215,
102.5869

■ 81.3197, 88.9011,
103.3171

Harmonies

Analogous

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



36.9051, 53.4907, 72.4457



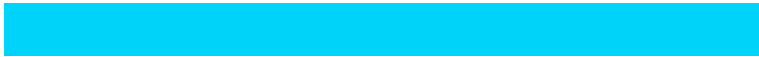
40.5496, 53.4907, 98.6300



47.1948, 53.4907, 115.6787

Triad

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



40.5496, 53.4907, 98.6300



68.1885, 53.4907, 69.6149



46.3755, 53.4907, 24.2573

Complementary

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



40.5496, 53.4907, 98.6300



40.1531, 21.7801, 2.0898

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.



54.6710, 53.4907, 23.8885



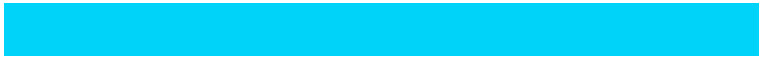
40.5496, 53.4907, 98.6300



67.9067, 53.4907, 46.0284

Square

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



40.5496, 53.4907, 98.6300



63.4740, 53.4907, 96.0730



62.7418, 53.4907, 30.7297



40.0068, 53.4907, 31.9305

Rectangle

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



40.5496, 53.4907, 98.6300



52.7148, 53.4907, 117.1904



62.7418, 53.4907, 30.7297



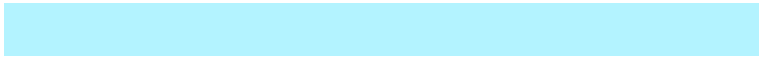
49.0128, 53.4907, 23.3665

Sweetspot

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



40.5514, 53.4926, 98.6313



68.5945, 80.8832, 106.6044



34.5297, 68.5096, 13.2007



14.0656, 16.8357, 22.7582



0.0000, 0.0000, 0.0000



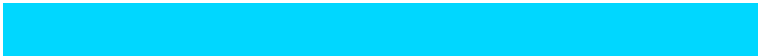
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5514, 53.4926, 98.6313



42.4040, 55.9280, 103.1680



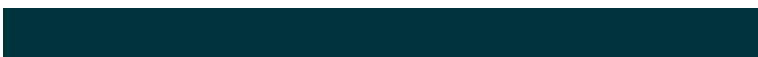
20.7091, 13.8081, 92.0172



17.5216, 19.1201, 22.1523



21.5949, 28.5454, 52.3452



2.0601, 2.7640, 4.8681

Inverse Universe

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



51.1838, 25.0291, 63.7633



53.5328, 26.1771, 66.6629



52.4384, 46.3509, 6.1849



17.8698, 17.4753, 21.1702



27.1921, 13.2926, 34.0498



2.5488, 1.2433, 3.3133

Previews

White Background



This preview shows how the XYZ color 40.5496, 53.4907, 98.6300 looks on a white background.

Color Contrast Check

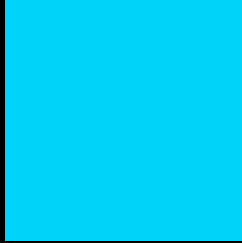
Large Text (above 18pt) WCAG AA × Fail

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 40.5496, 53.4907, 98.6300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

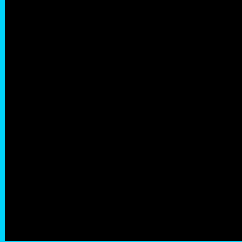
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5496, 53.4907, 98.6300

Background



This preview shows how black text looks on a background with the XYZ color 40.5496, 53.4907, 98.6300.

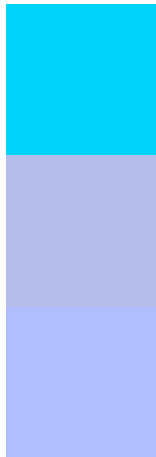


This preview shows how white text looks on a background with the XYZ color 40.5496, 53.4907,

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

40.5496, 53.4907, 98.6300

Protanopia

52.4649, 52.6488, 85.9943

Deuteranopia

54.1521, 52.8453, 101.9538

Trichromacy



Original Color

40.5496, 53.4907, 98.6300

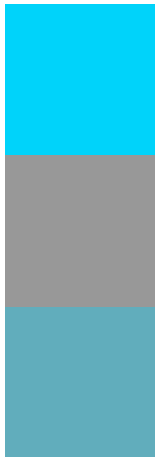
Protanomaly

42.9925, 50.3243, 89.8857

Deuteranomaly

44.3780, 50.4691, 100.3310

Monochromacy



Original Color

40.5496, 53.4907, 98.6300

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.9504, 36.0594, 53.0113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5496, 53.4907, 98.6300 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 250) }
```

Border

The CSS property to change the border of an element to XYZ 40.5496, 53.4907, 98.6300 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, 250) }
```

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

```
.border{ border-color:rgb(0, 211, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
250) }
```


Background

The CSS property to change the background color of an element to XYZ 40.5496, 53.4907, 98.6300 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, 250) }
```

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

```
.background{ background-color: rgb(0, 211,  
250) }
```

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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