

Converting Colors

XYZ(41.8086, 56.0337, 98.9723)

Have a look what the booklet for
XYZ(41.8086, 56.0337, 98.9723)
contains.

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Color

**XYZ(41.8112, 56.0139,
99.0506)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8FA
RGB	0, 216, 250
RGB Percent	0%, 85%, 98%
CMY	0.9997, 0.1529, 0.0196
CMYK	1.00, 0.14, 0.00, 0.02
HSL	188°, 100%, 49%
HSV	188°, 100%, 98%
XYZ	41.8112, 56.0139, 99.0506
YIQ	155.2920, -139.6500, -35.2180

Conversions

Conversions Part 2

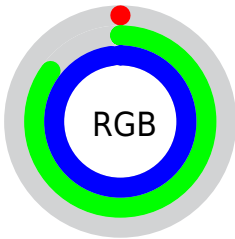
Format	Color
RYB	0, 116, 250
Decimal	55546
CIELab	79.62, -31.90, -28.92
CIELCh	80, 43.058, 222.202
Yxy	56.0139, 0.2124, 0.2845
Android (android.graphics.Color)	4278245626 (0xFF00D8FA)
YUV	155.2920, 46.6910, -136.1911
Hunter-Lab	74.8424, -31.2541, -26.0779

Details

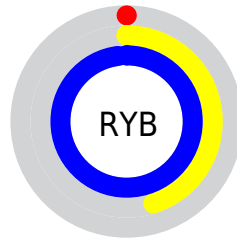
The XYZ color **41.8112, 56.0139, 99.0506** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **39.9993, 21.4725, 2.0385**, and the grayscale version is **31.1391, 32.7608, 35.6765**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **22.3705, 29.3400, 54.9362** is the 20% darker color. If you saturate the color by 10%, you get **41.8096, 56.0104, 99.0511**, and if you desaturate by 10%, it is **43.0952, 57.9838, 99.3642**.

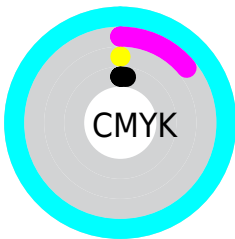
Distribution



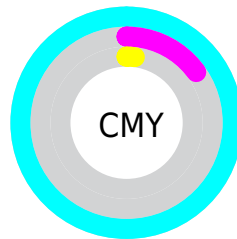
- Red (0%)
- Green (85%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8112, 56.0139, 99.0506 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 41.8112, 56.0139, 99.0506 by changing the saturation by 10% instead.

41.8112, 56.0139,
99.0506

41.8112, 56.0139,
99.0506

344.7047,
409.7439, 578.3652

29.1439, 40.2141,
74.8954

77.1808, 99.0249,
161.8924

19.3346, 27.7055,
55.0260

100.6138,
127.0049, 201.4160

12.0177, 18.1038,
39.0238

128.3661,
159.8136, 246.8996

6.8280, 11.0245,
26.4703

160.8031,
197.8357, 298.7617

3.4002, 6.0833,
16.9469

198.2901,
241.4553, 357.4207

1.3687, 2.8958,
10.0351

241.1924,

0.2338, 1.0776,

291.0570, 423.2953

5.3163

289.8755,
347.0250, 496.8039

■ 0.0000, 0.0000,
2.3721

■ 0.0000, 0.0000,
0.7712

■ 41.8112, 56.0139,
99.0506

■ 41.8112, 56.0139,
99.0506

■ 41.8096, 56.0104,
99.0511

■ 43.0952, 57.9838,
99.3642

■ 44.9100, 60.2531,
99.7066

■ 47.4151, 62.9055,
100.0865

■ 50.7064, 65.9903,
100.5085

■ 54.8645, 69.5494,
100.9763

■ 59.9596, 73.6192,
101.4933

■ 66.0549, 78.2322,
102.0625

■ 73.2077, 83.4183,
102.6865

■ 81.4714, 89.2049,
103.3679

Harmonies

Analogous

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



38.5396, 56.0139, 71.6575



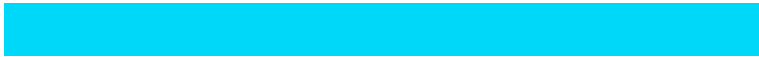
41.8112, 56.0139, 99.0506



48.3006, 56.0139, 118.7403

Triad

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



41.8112, 56.0139, 99.0506



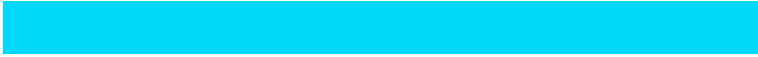
70.7590, 56.0139, 76.7927



49.7902, 56.0139, 25.1916

Complementary

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



41.8112, 56.0139, 99.0506



39.9993, 21.4725, 2.0385

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.



58.5041, 56.0139, 25.8672



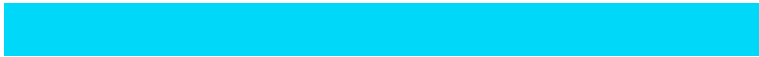
41.8112, 56.0139, 99.0506



71.2698, 56.0139, 51.4368

Square

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



41.8112, 56.0139, 99.0506



65.2529, 56.0139, 103.6784



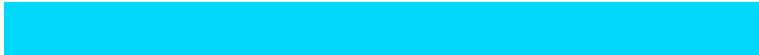
66.5809, 56.0139, 34.1919



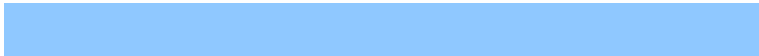
42.7993, 56.0139, 31.9978

Rectangle

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



41.8112, 56.0139, 99.0506



53.8833, 56.0139, 122.2858



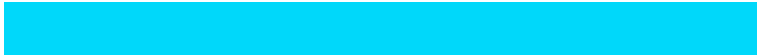
66.5809, 56.0139, 34.1919



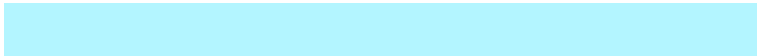
52.6009, 56.0139, 24.6168

Sweetspot

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



41.8130, 56.0159, 99.0520



69.0546, 81.8034, 106.7578



34.4670, 68.4846, 12.8703



14.1770, 17.0584, 22.7953



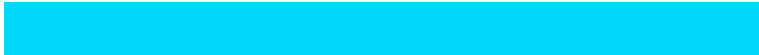
0.0000, 0.0000, 0.0000



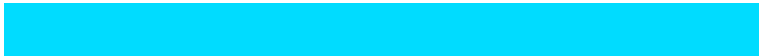
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8130, 56.0159, 99.0520



43.7251, 58.5702, 103.6084



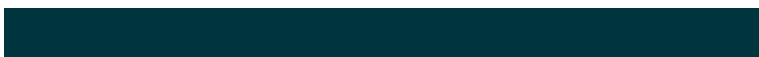
21.0587, 14.5073, 92.1339



17.5527, 19.1822, 22.1627



22.2554, 29.8664, 52.5654



2.1151, 2.8739, 4.8864

Inverse Universe

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



51.8207, 25.2838, 67.1167



54.1996, 26.4438, 70.1744



51.7137, 44.9013, 5.9433



17.8855, 17.4816, 21.2528



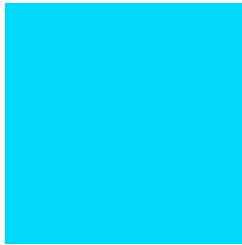
27.5255, 13.4259, 35.8055



2.5765, 1.2543, 3.4594

Previews

White Background



This preview shows how the XYZ color 41.8112, 56.0139, 99.0506 looks on a white background.

Color Contrast Check

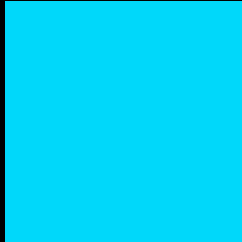
Large Text (above 18pt) WCAG AA × Fail

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 41.8112, 56.0139, 99.0506 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 41.8112, 56.0139, 99.0506

Background



This preview shows how black text looks on a background with the XYZ color 41.8112, 56.0139, 99.0506.

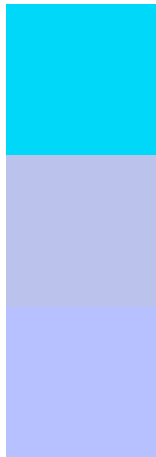


This preview shows how white text looks on a background with the XYZ color 41.8112, 56.0139,

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

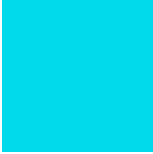
41.8112, 56.0139, 99.0506

Protanopia

54.7807, 55.1465, 86.3544

Deuteranopia

56.6484, 55.4272, 102.3206



Tritanopia

40.0668, 56.1410, 87.3218

Trichromacy



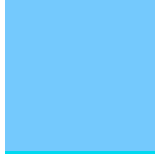
Original Color

41.8112, 56.0139, 99.0506



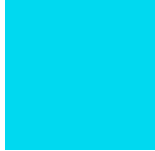
Protanomaly

44.4565, 52.4543, 90.2197



Deuteranomaly

45.8187, 52.5781, 100.6622



Tritanomaly

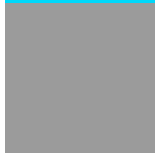
40.5410, 55.9170, 91.0944

Monochromacy



Original Color

41.8112, 56.0139, 99.0506



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

30.1620, 37.8146, 54.4244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8112, 56.0139, 99.0506 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, 216, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 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, 216, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 250) }
```

Border

The CSS property to change the border of an element to XYZ 41.8112, 56.0139, 99.0506 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, 216, 250) }
```


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

```
.border{ border-color:rgb(0, 216, 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, 216, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8112, 56.0139, 99.0506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 250) }
```

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

```
.background{ background-color: rgb(0, 216,  
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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