

Converting Colors

XYZ(41.8473, 56.7465, 97.0267)

Have a look what the booklet for
XYZ(41.8473, 56.7465, 97.0267)
contains.

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Color

**XYZ(41.8599, 56.8582,
96.7642)**

Conversions

Conversions Part 1

Format	Color
Hex	00DAF7
RGB	0, 218, 247
RGB Percent	0%, 85%, 97%
CMY	0.9997, 0.1451, 0.0314
CMYK	1.00, 0.12, 0.00, 0.03
HSL	187°, 100%, 48%
HSV	187°, 100%, 97%
XYZ	41.8599, 56.8582, 96.7642
YIQ	156.1240, -139.2370, -37.1970

Conversions

Conversions Part 2

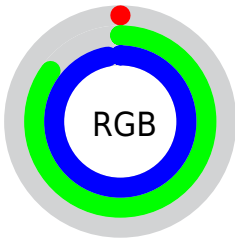
Format	Color
RYB	0, 116, 247
Decimal	56055
CIELab	80.10, -33.81, -26.60
CIElCh	80, 43.017, 218.191
Yxy	56.8582, 0.2141, 0.2909
Android (android.graphics.Color)	4278246135 (0xFF00DAF7)
YUV	156.1240, 44.8019, -136.9207
Hunter-Lab	75.4044, -32.8654, -23.3020

Details

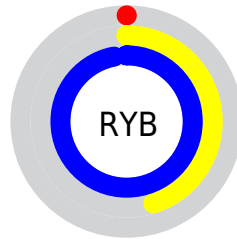
The XYZ color **41.8599, 56.8582, 96.7642** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.7997, 20.6567, 1.9442**, and the grayscale version is **31.5162, 33.1575, 36.1085**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **22.5012, 29.9560, 53.8864** is the 20% darker color. If you saturate the color by 10%, you get **41.8587, 56.8555, 96.7648**, and if you desaturate by 10%, it is **43.0150, 58.5812, 97.0370**.

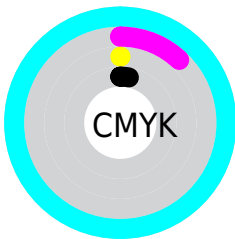
Distribution



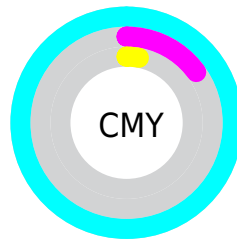
- Red (0%)
- Green (85%)
- Blue (97%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (15%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8599, 56.8582, 96.7642 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 41.8599, 56.8582, 96.7642 by changing the saturation by 10% instead.

41.8599, 56.8582,
96.7642

41.8599, 56.8582,
96.7642

344.9034,
412.9178, 570.9256

29.1822, 40.8914,
72.9992

77.2540, 100.2583,
158.7162

19.3637, 28.2342,
53.4835

100.7012,
128.4603, 197.7402

12.0389, 18.5023,
37.7985

128.4690,
161.5096, 242.6877

6.8426, 11.3112,
25.5257

160.9226,
199.7904, 293.9772

3.4093, 6.2766,
16.2466

198.4275,
243.6873, 352.0271

1.3737, 3.0140,
9.5426

241.3490,

0.2374, 1.1390,

293.5845, 417.2562

4.9951

290.0525,
349.8665, 490.0828

■ 0.0000, 0.0110,
2.1857

■ 0.0000, 0.0000,
0.6661

■ 41.8599, 56.8582,
96.7642

■ 41.8599, 56.8582,
96.7642

■ 41.8587, 56.8555,
96.7648

■ 43.0150, 58.5812,
97.0370

■ 44.6812, 60.5864,
97.3362

■ 47.0144, 62.9550,
97.6704

■ 50.1074, 65.7352,
98.0440

■ 54.0384, 68.9673,
98.4607

■ 58.8756, 72.6867,
98.9237

■ 64.6801, 76.9248,
99.4358

■ 71.5079, 81.7107,
99.9997

■ 79.4104, 87.0708,
100.6178

Harmonies

Analogous

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



39.0314, 56.8582, 69.0365



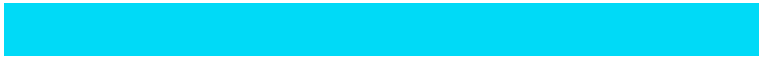
41.8599, 56.8582, 96.7642



48.0253, 56.8582, 118.3350

Triad

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



41.8599, 56.8582, 96.7642



71.2293, 56.8582, 81.6059



51.6784, 56.8582, 25.3959

Complementary

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



41.8599, 56.8582, 96.7642



38.7997, 20.6567, 1.9442

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.



60.5414, 56.8582, 27.0648



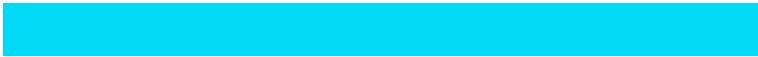
41.8599, 56.8582, 96.7642



72.4786, 56.8582, 55.2896

Square

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



41.8599, 56.8582, 96.7642



65.1347, 56.8582, 108.0657



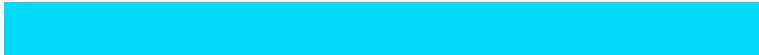
68.3843, 56.8582, 36.6251



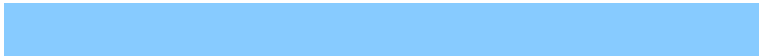
44.2861, 56.8582, 31.2183

Rectangle

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



41.8599, 56.8582, 96.7642



53.5124, 56.8582, 123.6921



68.3843, 56.8582, 36.6251



54.5751, 56.8582, 25.1384

Sweetspot

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



41.8617, 56.8602, 96.7656



69.4857, 82.6656, 106.9015



33.4824, 66.6110, 12.2471



14.2814, 17.2674, 22.8302



0.0000, 0.0000, 0.0000



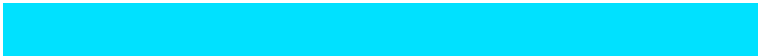
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8617, 56.8602, 96.7656



44.9898, 61.0996, 104.0299



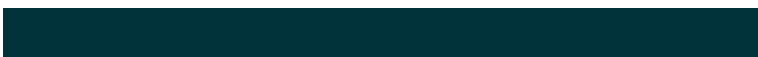
20.8573, 14.8513, 89.7641



16.8209, 18.4060, 21.2087



22.2062, 30.2062, 51.1980



1.9978, 2.7470, 4.5152

Inverse Universe

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



51.0143, 24.8380, 68.4371



54.8380, 26.6992, 73.5359



49.6429, 42.3430, 5.5586



17.1249, 16.7328, 20.4043



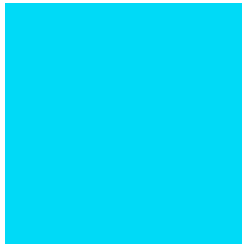
27.0132, 13.1487, 36.3733



2.3974, 1.1649, 3.3193

Previews

White Background



This preview shows how the XYZ color 41.8599, 56.8582, 96.7642 looks on a white background.

Color Contrast Check

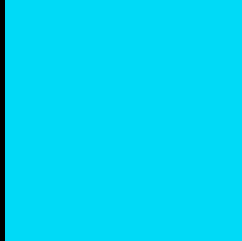
Large Text (above 18pt) WCAG AA × Fail

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 41.8599, 56.8582, 96.7642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

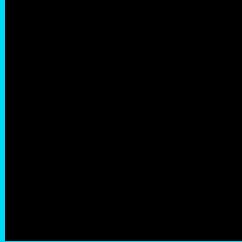
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.8599, 56.8582, 96.7642

Background



This preview shows how black text looks on a background with the XYZ color 41.8599, 56.8582, 96.7642.

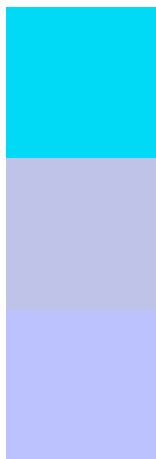


This preview shows how white text looks on a background with the XYZ color 41.8599, 56.8582,

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

41.8599, 56.8582, 96.7642

Protanopia

55.1741, 55.7469, 83.4535

Deuteranopia

57.5149, 56.2402, 100.7526



Tritanopia

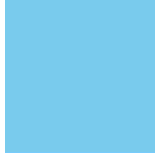
40.6176, 56.7775, 88.9391

Trichromacy



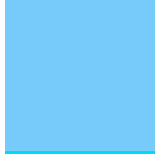
Original Color

41.8599, 56.8582, 96.7642



Protanomaly

44.5272, 52.8912, 87.9830



Deuteranomaly

46.3763, 53.5988, 99.1681



Tritanomaly

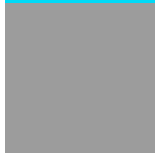
41.2087, 57.0139, 92.0519

Monochromacy



Original Color

41.8599, 56.8582, 96.7642



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

30.4510, 38.5670, 53.9833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8599, 56.8582, 96.7642 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, 218, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 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, 218, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 247) }
```

Border

The CSS property to change the border of an element to XYZ 41.8599, 56.8582, 96.7642 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, 218, 247) }
```


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

```
.border{ border-color:rgb(0, 218, 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, 218, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8599, 56.8582, 96.7642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 247) }
```

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

```
.background{ background-color: rgb(0, 218,  
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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