

Converting Colors

XYZ(42.7678, 56.4888, 99.9161)

Have a look what the booklet for
XYZ(42.7678, 56.4888, 99.9161)
contains.

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Color

**XYZ(42.7678, 56.4888,
99.9161)**

Conversions

Conversions Part 1

Format	Color
Hex	26D8FB
RGB	38, 216, 251
RGB Percent	15%, 85%, 98%
CMY	0.8509, 0.1529, 0.0157
CMYK	0.85, 0.14, 0.00, 0.02
HSL	190°, 96%, 57%
HSV	190°, 85%, 98%
XYZ	42.7678, 56.4888, 99.9161
YIQ	166.7680, -117.3230, -26.8510

Conversions

Conversions Part 2

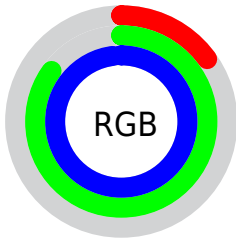
Format	Color
R _Y B	38, 135, 251
Decimal	2545915
CIE Lab	79.89, -30.18, -29.02
CIE LCh	80, 41.870, 223.880
Yxy	56.4888, 0.2147, 0.2836
Android (android.graphics.Color)	4280735995 (0xFF26D8FB)
YUV	166.7680, 41.5264, -112.9295
Hunter-Lab	75.1590, -29.9563, -26.2086

Details

The XYZ color **42.7678, 56.4888, 99.9161** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **42.5186, 25.4179, 4.5011**, and the grayscale version is **36.4675, 38.3667, 41.7813**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **22.4825, 29.3848, 55.5258** is the 20% darker color. If you saturate the color by 10%, you get **41.0907, 54.0761, 99.5399**, and if you desaturate by 10%, it is **45.0974, 59.2794, 100.3331**.

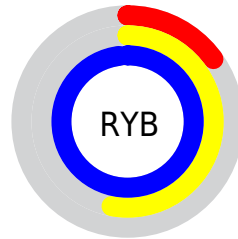
Distribution



Red (15%)

Green (85%)

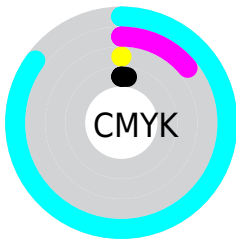
Blue (98%)



Red (15%)

Yellow (53%)

Blue (98%)

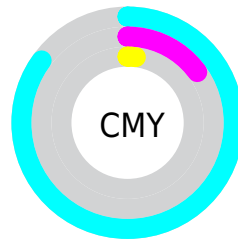


Cyan (85%)

Magenta (14%)

Yellow (0%)

Black (2%)



Cyan (85%)

Magenta (15%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7678, 56.4888, 99.9161 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 42.7678, 56.4888, 99.9161 by changing the saturation by 10% instead.

42.7678, 56.4888,
99.9161

42.7678, 56.4888,
99.9161

348.5937,
411.5310, 581.1680

29.8967, 40.5950,
75.6140

78.6182, 99.7189,
163.0928

19.9079, 28.0027,
55.6113

102.3283,
127.8239, 202.8044

12.4360, 18.3277,
39.4894

130.3820,
160.7682, 248.4895

7.1156, 11.1855,
26.8299

163.1449,
198.9360, 300.5668

3.5815, 6.1918,
17.2142

200.9821,
242.7118, 359.4548

1.4682, 2.9620,
10.2238

244.2590,

0.3040, 1.1119,

292.4800, 425.5720

5.4400

293.3411,
348.6249, 499.3369

■ 0.0000, 0.0000,
2.4445

■ 0.0000, 0.0000,
0.8105

■ 42.7678, 56.4888,
99.9161

■ 42.7678, 56.4888,
99.9161

■ 41.0907, 54.0761,
99.5399

■ 45.0974, 59.2794,
100.3331

■ 40.3986, 52.9368,
99.3565

■ 48.1823, 62.4979,
100.7917

■ 52.1122, 66.1920,
101.2976

■ 56.9628, 70.4010,
101.8544

■ 62.8013, 75.1597,
102.4652

■ 69.6884, 80.4997,
103.1329

■ 77.6797, 86.4500,
103.8602

■ 86.8270, 93.0376,
104.6496

■ 93.8177, 98.5549,
105.3462

Harmonies

Analogous

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



39.3574, 56.4888, 73.4115



42.7678, 56.4888, 99.9161



49.2868, 56.4888, 118.2070

Triad

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



42.7678, 56.4888, 99.9161



70.9410, 56.4888, 75.4149



49.8710, 56.4888, 26.3807

Complementary

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



42.7678, 56.4888, 99.9161



42.5186, 25.4179, 4.5011

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.



58.3498, 56.4888, 26.6505



42.7678, 56.4888, 99.9161



71.1400, 56.4888, 50.9639

Square

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



42.7678, 56.4888, 99.9161



65.8136, 56.4888, 101.7117



66.3315, 56.4888, 34.4691



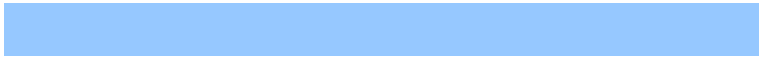
43.1565, 56.4888, 33.5985

Rectangle

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



42.7678, 56.4888, 99.9161



54.8026, 56.4888, 120.9017



66.3315, 56.4888, 34.4691



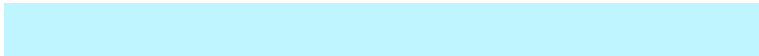
52.5943, 56.4888, 25.6720

Sweetspot

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



42.7697, 56.4908, 99.9175



72.1073, 83.3459, 106.8946



36.4025, 69.8496, 17.3535



14.8707, 17.4085, 22.8264



0.0000, 0.0000, 0.0000



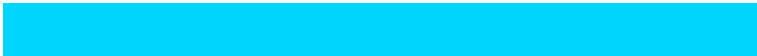
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7697, 56.4908, 99.9175



41.8683, 54.8565, 102.9894



24.0701, 19.0917, 93.6843



17.5088, 19.0944, 22.1481



21.3269, 28.0094, 52.2559



2.0378, 2.7192, 4.8606

Inverse Universe

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



52.8731, 26.8554, 67.3645



53.2624, 26.0689, 65.2389



55.7501, 51.8810, 8.9116



17.8633, 17.4727, 21.1361



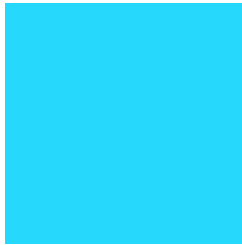
27.0569, 13.2385, 33.3375



2.5375, 1.2387, 3.2539

Previews

White Background



This preview shows how the XYZ color 42.7678, 56.4888, 99.9161 looks on a white background.

Color Contrast Check

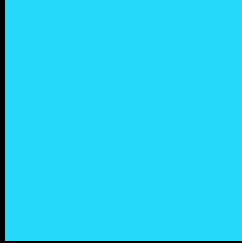
Large Text (above 18pt) WCAG AA × Fail

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 42.7678, 56.4888, 99.9161 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 42.7678, 56.4888, 99.9161

Background



This preview shows how black text looks on a background with the XYZ color 42.7678, 56.4888, 99.9161.



This preview shows how white text looks on a background with the XYZ color 42.7678, 56.4888,

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

42.7678, 56.4888, 99.9161

Protanopia

55.1489, 55.6511, 87.1920

Deuteranopia

56.8871, 55.5503, 102.3317



Tritanopia

40.2117, 56.1989, 88.0850

Trichromacy



Original Color

42.7678, 56.4888, 99.9161



Protanomaly

46.9060, 54.0493, 91.1794



Deuteranomaly

48.1361, 53.7543, 101.6045



Tritanomaly

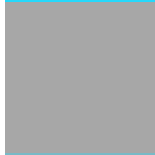
40.8711, 56.0699, 91.8875

Monochromacy



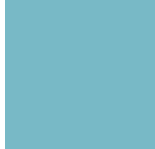
Original Color

42.7678, 56.4888, 99.9161



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.2877, 42.7682, 59.8213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7678, 56.4888, 99.9161 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(38, 216, 251)` looks like.

```
.text, #text, p{  
    color:rgb(38, 216, 251)  
}
```

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(38, 216, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 216, 251) }
```

Border

The CSS property to change the border of an element to XYZ 42.7678, 56.4888, 99.9161 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(38, 216, 251) }
```


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

```
.border{ border-color:rgb(38, 216, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 216, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 216, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 216, 251);  
box-shadow:4px 4px 4px 4px rgb(38, 216,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7678, 56.4888, 99.9161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 216, 251) }
```

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

```
.background{ background-color: rgb(38, 216,  
251) }
```

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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