

Converting Colors

XYZ(42.4568, 56.7795,
100.6943)

Have a look what the booklet for
XYZ(42.4568, 56.7795, 100.6943)
contains.

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Color

**XYZ(42.4211, 56.6733,
100.7987)**

Conversions

Conversions Part 1

Format	Color
Hex	03D9FC
RGB	3, 217, 252
RGB Percent	1%, 85%, 99%
CMY	0.9879, 0.1490, 0.0118
CMYK	0.99, 0.14, 0.00, 0.01
HSL	188°, 98%, 50%
HSV	188°, 99%, 99%
XYZ	42.4211, 56.6733, 100.7987
YIQ	157.0040, -138.7790, -34.4830

Conversions

Conversions Part 2

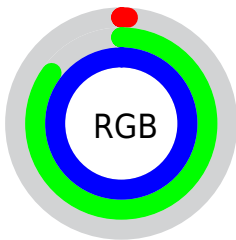
Format	Color
RYB	3, 118, 252
Decimal	252412
CIELab	80.00, -31.67, -29.41
CIELCh	80, 43.219, 222.886
Yxy	56.6733, 0.2122, 0.2835
Android (android.graphics.Color)	4278442492 (0xFF03D9FC)
YUV	157.0040, 46.8330, -135.0615
Hunter-Lab	75.2817, -31.1585, -26.6894

Details

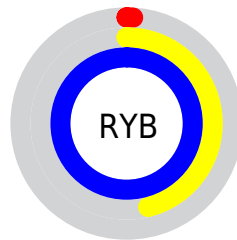
The XYZ color **42.4211, 56.6733, 100.7987** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.8578, 22.0935, 2.1994**, and the grayscale version is **31.9013, 33.5627, 36.5498**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **22.7707, 29.7808, 56.1779** is the 20% darker color. If you saturate the color by 10%, you get **42.2731, 56.4327, 100.7612**, and if you desaturate by 10%, it is **43.7941, 58.7525, 101.1288**.

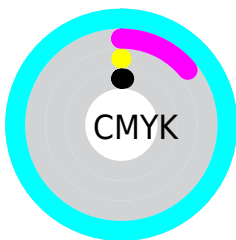
Distribution



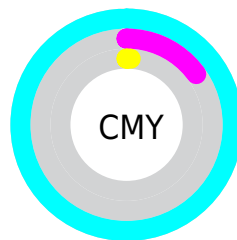
- Red (1%)
- Green (85%)
- Blue (99%)



- Red (1%)
- Yellow (46%)
- Blue (99%)



- Cyan (99%)
- Magenta (14%)
- Yellow (0%)
- Black (1%)



- Cyan (99%)
- Magenta (15%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4211, 56.6733, 100.7987 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 42.4211, 56.6733, 100.7987 by changing the saturation by 10% instead.

42.4211, 56.6733,
100.7987

42.4211, 56.6733,
100.7987

347.1876,
412.2240, 584.0189

29.6237, 40.7430,
76.3471

78.0977, 99.9883,
164.3158

19.6998, 28.1183,
56.2088

101.7077,
128.1419, 204.2184

12.2840, 18.4149,
39.9653

129.6525,
161.1386, 250.1084

7.0110, 11.2483,
27.1979

162.2976,
199.3629, 302.4044

3.5154, 6.2341,
17.4881

200.0083,
243.1992, 361.5249

1.4318, 2.9879,
10.4175

243.1500,

0.2787, 1.1254,

293.0319, 427.8885

5.5674

292.0879,
349.2454, 501.9136

■ 0.0000, 0.0000,
2.5194

■ 0.0000, 0.0000,
0.8504

■ 42.4211, 56.6733,
100.7987

■ 42.4211, 56.6733,
100.7987

■ 42.2731, 56.4327,
100.7612

■ 43.7941, 58.7525,
101.1288

■ 45.7439, 61.1574,
101.4902

■ 48.4109, 63.9614,
101.8909

■ 51.8906, 67.2140,
102.3353

■ 56.2637, 70.9570,
102.8273

■ 61.6009, 75.2271,
103.3702

■ 67.9659, 80.0571,
103.9670

■ 75.4167, 85.4771,
104.6204

■ 84.0068, 91.5151,
105.3331

Harmonies

Analogous

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



39.0306, 56.6733, 73.1286



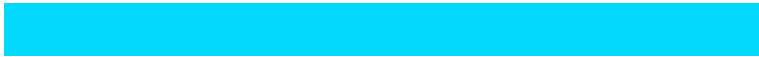
42.4211, 56.6733, 100.7987



49.0504, 56.6733, 120.3977

Triad

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



42.4211, 56.6733, 100.7987



71.6622, 56.6733, 77.0539



50.1889, 56.6733, 25.5616

Complementary

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



42.4211, 56.6733, 100.7987



40.8578, 22.0935, 2.1994

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.



58.9875, 56.6733, 26.0779



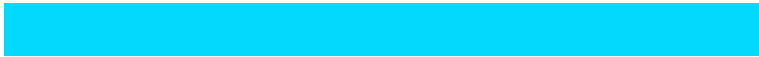
42.4211, 56.6733, 100.7987



72.0527, 56.6733, 51.5423

Square

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



42.4211, 56.6733, 100.7987



66.1893, 56.6733, 104.3364



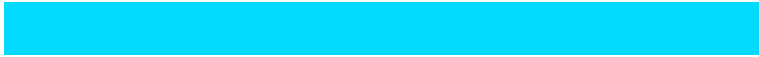
67.2045, 56.6733, 34.3093



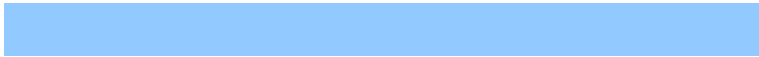
43.1763, 56.6733, 32.6326

Rectangle

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



42.4211, 56.6733, 100.7987



54.7207, 56.6733, 123.6732



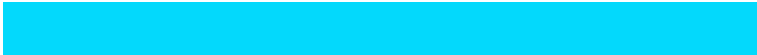
67.2045, 56.6733, 34.3093



53.0208, 56.6733, 24.9245

Sweetspot

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



42.4230, 56.6753, 100.8001



68.9492, 81.5926, 106.7227



35.1719, 69.7705, 13.3038



14.1515, 17.0074, 22.7868



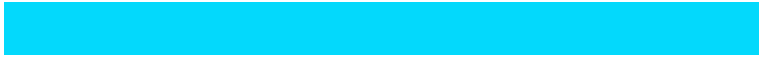
0.0000, 0.0000, 0.0000



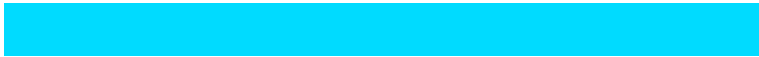
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4230, 56.6753, 100.8001



43.4199, 57.9598, 103.5066



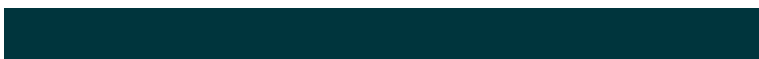
21.6432, 15.1159, 93.8735



17.5456, 19.1680, 22.1603



22.1029, 29.5613, 52.5145



2.1024, 2.8485, 4.8822

Inverse Universe

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



52.7035, 25.7724, 67.8443



54.0456, 26.3822, 69.3632



52.8598, 46.0976, 6.2001



17.8819, 17.4801, 21.2339



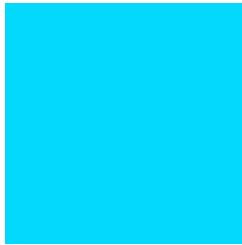
27.4485, 13.3951, 35.4000



2.5701, 1.2518, 3.4257

Previews

White Background



This preview shows how the XYZ color 42.4211, 56.6733, 100.7987 looks on a white background.

Color Contrast Check

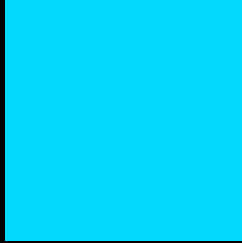
Large Text (above 18pt) WCAG AA × Fail

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 42.4211, 56.6733, 100.7987 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 42.4211, 56.6733, 100.7987

Background



This preview shows how black text looks on a background with the XYZ color 42.4211, 56.6733, 100.7987.



This preview shows how white text looks on a background with the XYZ color 42.4211, 56.6733,

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

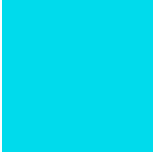
42.4211, 56.6733, 100.7987

Protanopia

55.5402, 55.8360, 87.9709

Deuteranopia

57.1090, 55.9939, 102.4057



Tritanopia

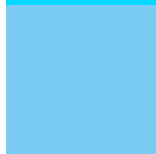
40.4718, 56.7192, 88.1717

Trichromacy



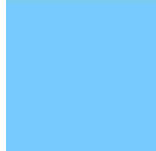
Original Color

42.4211, 56.6733, 100.7987



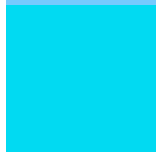
Protanomaly

45.2681, 53.1876, 91.8848



Deuteranomaly

46.4811, 53.2484, 101.5941



Tritanomaly

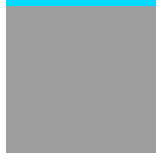
41.1109, 56.5601, 92.7548

Monochromacy



Original Color

42.4211, 56.6733, 100.7987



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

31.0014, 38.8127, 55.7268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4211, 56.6733, 100.7987 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(3, 217, 252)` looks like.

```
.text, #text, p{  
    color:rgb(3, 217, 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(3, 217, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 217, 252) }
```

Border

The CSS property to change the border of an element to XYZ 42.4211, 56.6733, 100.7987 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(3, 217, 252) }
```


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

```
.border{ border-color:rgb(3, 217, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 217, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 217, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 217, 252);  
box-shadow:4px 4px 4px 4px rgb(3, 217,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4211, 56.6733, 100.7987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 217, 252) }
```

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

```
.background{ background-color: rgb(3, 217,  
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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