

Converting Colors

XYZ(42.9560, 55.5026,
103.0568)

Have a look what the booklet for
XYZ(42.9560, 55.5026, 103.0568)
contains.

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Color

**XYZ(42.8830, 55.3440,
103.0300)**

Conversions

Conversions Part 1

Format	Color
Hex	2CD5FF
RGB	44, 213, 255
RGB Percent	17%, 84%, 100%
CMY	0.8274, 0.1647, 0.0000
CMYK	0.83, 0.16, 0.00, 0.00
HSL	192°, 100%, 59%
HSV	192°, 83%, 100%
XYZ	42.8830, 55.3440, 103.0300
YIQ	167.2570, -114.2060, -22.7660

Conversions

Conversions Part 2

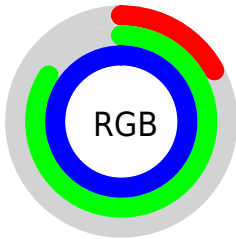
Format	Color
R _Y B	44, 138, 255
Decimal	2938367
CIE Lab	79.24, -27.02, -32.14
CIE LCh	79, 41.996, 229.946
Yxy	55.3440, 0.2131, 0.2750
Android (android.graphics.Color)	4281128447 (0xFF2CD5FF)
YUV	167.2570, 43.2573, -108.0964
Hunter-Lab	74.3935, -27.2952, -30.0371

Details

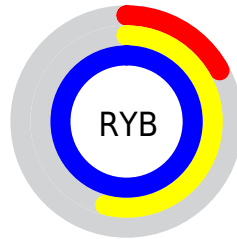
The XYZ color **42.8830, 55.3440, 103.0300** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.0245, 28.1008, 5.4361**, and the grayscale version is **36.6953, 38.6064, 42.0423**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **22.4199, 28.5309, 57.7514** is the 20% darker color. If you saturate the color by 10%, you get **40.8474, 52.4297, 102.5748**, and if you desaturate by 10%, it is **45.6334, 58.6881, 103.5306**.

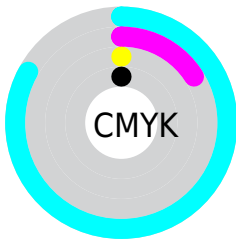
Distribution



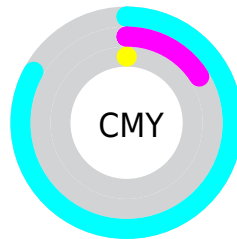
- Red (17%)
- Green (84%)
- Blue (100%)



- Red (17%)
- Yellow (54%)
- Blue (100%)



- Cyan (83%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8830, 55.3440, 103.0300 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 42.8830, 55.3440, 103.0300 by changing the saturation by 10% instead.

42.8830, 55.3440,
103.0300

42.8830, 55.3440,
103.0300

349.0601,
407.2146, 591.1935

29.9874, 39.6772,
78.2025

78.7911, 98.0448,
167.4030

19.9771, 27.2870,
57.7229

102.5343,
125.8476, 207.7855

12.4866, 17.7889,
41.1727

130.6242,
158.4645, 254.1901

7.1505, 10.7985,
28.1333

163.4260,
196.2799, 307.0354

3.6036, 5.9315,
18.1863

201.3052,
239.6782, 366.7398

1.4804, 2.8035,
10.9130

244.6270,

0.3124, 1.0300,

289.0438, 433.7220

5.8949

293.7568,
344.7612, 508.4003

■ 0.0000, 0.0000,
2.7135

■ 0.0000, 0.0000,
0.9502

■ 42.8830, 55.3440,
103.0300

■ 42.8830, 55.3440,
103.0300

■ 40.8474, 52.4297,
102.5748

■ 45.6334, 58.6881,
103.5306

■ 39.6998, 50.5197,
102.2666

■ 49.2008, 62.5123,
104.0807

■ 53.6755, 66.8645,
104.6849

■ 59.1341, 71.7849,
105.3469

65.6449, 77.3091,
106.0700

73.2702, 83.4697,
106.8573

82.0669, 90.2967,
107.7114

92.0881, 97.8178,
108.6349

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



38.8399, 55.3440, 77.4485



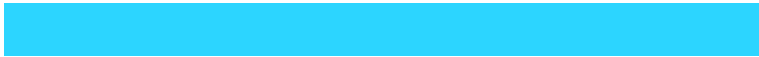
42.8830, 55.3440, 103.0300



49.8345, 55.3440, 118.2114

Triad

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



42.8830, 55.3440, 103.0300



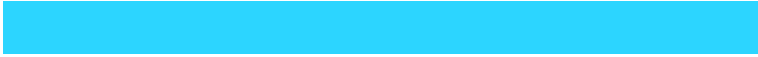
70.1537, 55.3440, 68.6975



47.2856, 55.3440, 26.4101

Complementary

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



42.8830, 55.3440, 103.0300



45.0245, 28.1008, 5.4361

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.



55.4718, 55.3440, 25.2374



42.8830, 55.3440, 103.0300



69.2843, 55.3440, 45.8240

Square

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



42.8830, 55.3440, 103.0300



65.9528, 55.3440, 95.1779



63.6904, 55.3440, 31.3463



41.1881, 55.3440, 35.1357

Rectangle

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



42.8830, 55.3440, 103.0300



55.4407, 55.3440, 118.2351



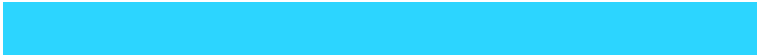
63.6904, 55.3440, 31.3463



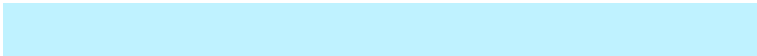
49.8634, 55.3440, 25.2289

Sweetspot

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



42.8846, 55.3459, 103.0303



71.4432, 82.0177, 106.6733



38.3496, 72.6759, 20.1301



14.7101, 17.0871, 22.7728



0.0000, 0.0000, 0.0000



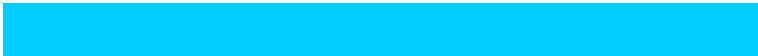
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8846, 55.3459, 103.0303



39.8528, 50.7782, 102.3085



24.7559, 19.0883, 96.9874



18.2296, 19.8309, 23.1169



20.8522, 26.6139, 53.4726



2.1048, 2.7402, 5.2313

Inverse Universe

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



54.1521, 27.8673, 65.4774



52.2566, 25.7109, 59.8062



59.7190, 57.4900, 10.3343



18.6286, 18.2347, 21.9271



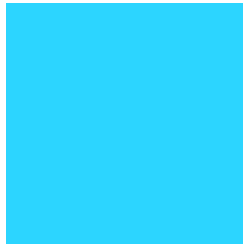
27.3134, 13.4147, 31.3645



2.6970, 1.3212, 3.2518

Previews

White Background



This preview shows how the XYZ color 42.8830, 55.3440, 103.0300 looks on a white background.

Color Contrast Check

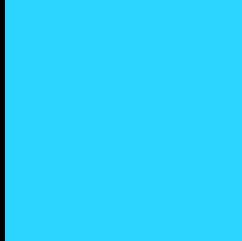
Large Text (above 18pt) WCAG AA × Fail

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 42.8830, 55.3440, 103.0300 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 42.8830, 55.3440, 103.0300

Background



This preview shows how black text looks on a background with the XYZ color 42.8830, 55.3440, 103.0300.



This preview shows how white text looks on a background with the XYZ color 42.8830, 55.3440,

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

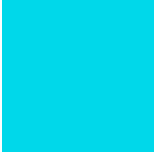
42.8830, 55.3440, 103.0300

Protanopia

54.3266, 54.4985, 90.0940

Deuteranopia

55.4900, 54.5030, 102.2032



Tritanopia

39.4071, 55.0522, 86.3911

Trichromacy



Original Color

42.8830, 55.3440, 103.0300



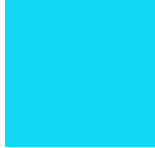
Protanomaly

46.6514, 52.8067, 94.1201



Deuteranomaly

47.9102, 53.2744, 102.3656



Tritanomaly

40.5411, 55.1218, 92.5072

Monochromacy



Original Color

42.8830, 55.3440, 103.0300



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.4753, 42.5421, 60.3745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8830, 55.3440, 103.0300 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(44, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(44, 213, 255)  
}
```

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(44, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 213, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.8830, 55.3440, 103.0300 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(44, 213, 255) }
```


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

```
.border{ border-color:rgb(44, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(44, 213,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8830, 55.3440, 103.0300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 213, 255) }
```

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

```
.background{ background-color: rgb(44, 213,  
255) }
```

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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