

Converting Colors

XYZ(47.7878, 54.8459,
127.2732)

Have a look what the booklet for
XYZ(47.7878, 54.8459, 127.2732)
contains.

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Color

**XYZ(43.0230, 52.8585,
102.5429)**

Conversions

Conversions Part 1

Format	Color
Hex	4BCEFF
RGB	75, 206, 255
RGB Percent	29%, 81%, 100%
CMY	0.7058, 0.1921, 0.0000
CMYK	0.71, 0.19, 0.00, 0.00
HSL	196°, 100%, 65%
HSV	196°, 71%, 100%
XYZ	43.0230, 52.8585, 102.5429
YIQ	172.4170, -93.8050, -12.5330

Conversions

Conversions Part 2

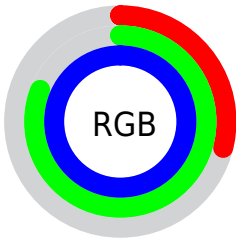
Format	Color
R_{YB}	75, 151, 255
Decimal	4968191
CIE _{Lab}	77.79, -20.37, -34.33
CIE _{LCh}	78, 39.918, 239.320
Yxy	52.8585, 0.2168, 0.2664
Android (android.graphics.Color)	4283158271 (0xFF4BCEFF)
YUV	172.4170, 40.7134, -85.4347
Hunter-Lab	72.7039, -21.6031, -32.7311

Details

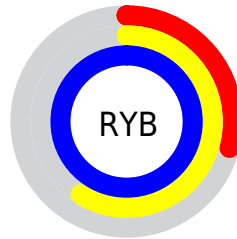
The XYZ color **43.0230, 52.8585, 102.5429** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **49.7193, 36.1859, 11.0229**, and the grayscale version is **39.2604, 41.3050, 44.9812**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **39.7789, 48.7607, 101.9229**, and if you desaturate by 10%, it is **47.1427, 57.5192, 103.2254**.

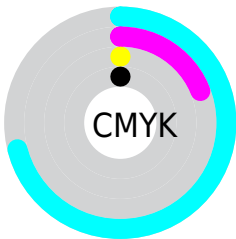
Distribution



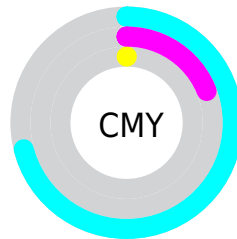
- Red (29%)
- Green (81%)
- Blue (100%)



- Red (29%)
- Yellow (59%)
- Blue (100%)



- Cyan (71%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.0230, 52.8585, 102.5429 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 43.0230, 52.8585, 102.5429 by changing the saturation by 10% instead.

■ 43.0230, 52.8585,
102.5429

■ 43.0230, 52.8585,
102.5429

349.6263,
397.7420, 589.6312

■ 30.0978, 37.6898,
77.7972

■ 79.0011, 94.3961,
166.7296

■ 20.0612, 25.7420,
57.3920

■ 102.7846,
121.5339, 207.0077

■ 12.5481, 16.6308,
40.9086

■ 130.9183,
153.4301, 253.3004

■ 7.1930, 9.9716,
27.9285

■ 163.7675,
190.4691, 306.0262

■ 3.6305, 5.3801,
18.0332

201.6975,
233.0355, 365.6036

■ 1.4953, 2.4720,
10.8041

245.0737,

■ 0.3226, 0.8626,

281.5135, 432.4512

5.8228

294.2615,
336.2875, 506.9876

■ 0.0000, 0.0000,
2.6706

■ 0.0000, 0.0000,
0.9286

■ 43.0230, 52.8585,
102.5429

■ 43.0230, 52.8585,
102.5429

■ 39.7789, 48.7607,
101.9229

■ 47.1427, 57.5192,
103.2254

■ 37.3028, 45.1660,
101.3596

■ 52.2194, 62.7833,
103.9739

■ 35.5211, 42.1621,
100.8737

■ 58.3299, 68.6926,
104.7924

■ 65.5416, 75.2832,
105.6844

■ 73.9160, 82.5881,
106.6531

■ 83.5097, 90.6378,
107.7012

94.3758, 99.4608,
108.8315

95.0500, 100.0000,
108.9000

Harmonies

Analogous

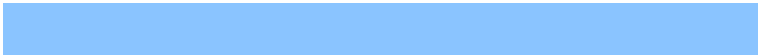
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.3496, 52.8585, 81.0500



43.0230, 52.8585, 102.5429



50.0640, 52.8585, 111.5581

Triad

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



43.0230, 52.8585, 102.5429



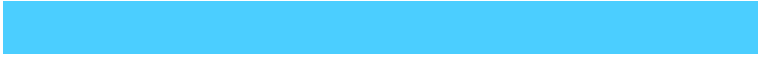
66.6393, 52.8585, 58.0611



43.2994, 52.8585, 27.8165

Complementary

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



43.0230, 52.8585, 102.5429



49.7193, 36.1859, 11.0229

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.



50.4172, 52.8585, 24.5893



43.0230, 52.8585, 102.5429



64.3654, 52.8585, 39.1038

Square

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



43.0230, 52.8585, 102.5429



64.1574, 52.8585, 82.1555



58.2230, 52.8585, 28.1292



38.4973, 52.8585, 38.4307

Rectangle

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



43.0230, 52.8585, 102.5429



55.3268, 52.8585, 107.8727



58.2230, 52.8585, 28.1292



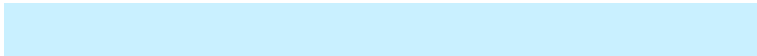
45.4758, 52.8585, 25.9744

Sweetspot

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



43.0246, 52.8603, 102.5432



73.5431, 82.2691, 106.6111



42.2383, 74.4466, 30.8853



15.2237, 17.1634, 22.7604



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.



43.0246, 52.8603, 102.5432



38.5974, 47.1145, 101.6674



27.3150, 21.4411, 97.3066



18.1121, 19.5959, 23.0777



18.6912, 22.2920, 52.7522



1.9108, 2.3524, 5.1666

Inverse Universe

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



54.8978, 30.7502, 61.4362



51.9044, 26.6476, 54.6295



66.3054, 69.3581, 16.5516



18.5693, 18.2110, 21.6148



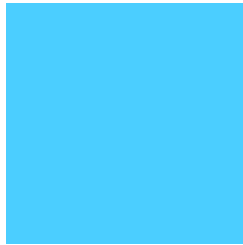
26.2227, 12.9784, 25.6207



2.5991, 1.2820, 2.7363

Previews

White Background



This preview shows how the XYZ color 43.0230, 52.8585, 102.5429 looks on a white background.

Color Contrast Check

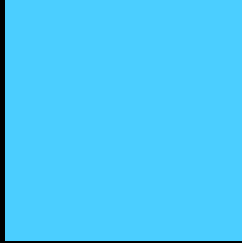
Large Text (above 18pt) WCAG AA × Fail

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 43.0230, 52.8585, 102.5429 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

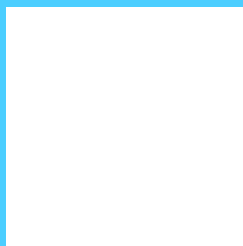
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.0230, 52.8585, 102.5429

Background



This preview shows how black text looks on a background with the XYZ color 43.0230, 52.8585, 102.5429.



This preview shows how white text looks on a background with the XYZ color 43.0230, 52.8585,

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

43.0230, 52.8585, 102.5429

Protanopia

52.3561, 52.1531, 91.3115

Deuteranopia

53.0465, 51.9571, 101.8406



Tritanopia

38.9287, 53.0307, 81.5830

Trichromacy



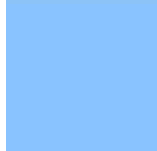
Original Color

43.0230, 52.8585, 102.5429



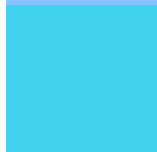
Protanomaly

47.1188, 51.3211, 95.4182



Deuteranomaly

47.8816, 51.5686, 102.0378



Tritanomaly

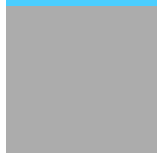
40.2830, 52.8307, 88.9631

Monochromacy



Original Color

43.0230, 52.8585, 102.5429



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

38.1177, 43.8636, 62.3346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.0230, 52.8585, 102.5429 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(75, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 206, 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(75, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 43.0230, 52.8585, 102.5429 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(75, 206, 255) }
```


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

```
.border{ border-color:rgb(75, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 43.0230, 52.8585, 102.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 206, 255) }
```

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

```
.background{ background-color: rgb(75, 206,  
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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