

Converting Colors

XYZ(59.1147, 60.5873,
188.5585)

Have a look what the booklet for
XYZ(59.1147, 60.5873, 188.5585)
contains.

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Color

**XYZ(42.9002, 54.2430,
102.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	3BD2FF
RGB	59, 210, 255
RGB Percent	23%, 82%, 100%
CMY	0.7686, 0.1765, 0.0000
CMYK	0.77, 0.18, 0.00, 0.00
HSL	194°, 100%, 62%
HSV	194°, 77%, 100%
XYZ	42.9002, 54.2430, 102.8166
YIQ	169.9810, -104.4410, -18.0170

Conversions

Conversions Part 2

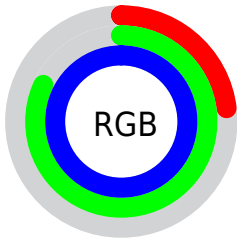
Format	Color
R _Y B	59, 144, 255
Decimal	3920639
CIE Lab	78.60, -24.23, -33.11
CIE LCh	79, 41.027, 233.796
Yxy	54.2430, 0.2145, 0.2713
Android (android.graphics.Color)	4282110719 (0xFF3BD2FF)
YUV	169.9810, 41.9144, -97.3303
Hunter-Lab	73.6498, -24.9130, -31.2151

Details

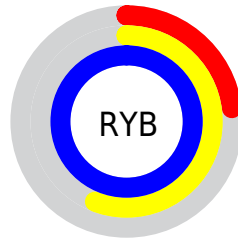
The XYZ color **42.9002, 54.2430, 102.8166** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.9814, 31.4791, 7.7396**, and the grayscale version is **38.0369, 40.0178, 43.5794**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **21.9144, 27.5199, 57.5829** is the 20% darker color. If you saturate the color by 10%, you get **40.3219, 50.8081, 102.2895**, and if you desaturate by 10%, it is **46.2718, 58.1674, 103.3964**.

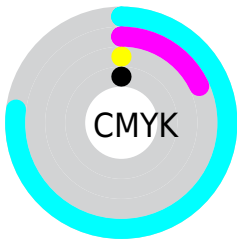
Distribution



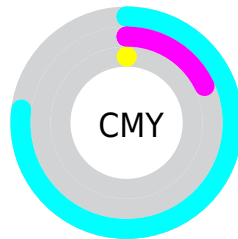
- Red (23%)
- Green (82%)
- Blue (100%)



- Red (23%)
- Yellow (56%)
- Blue (100%)



- Cyan (77%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9002, 54.2430, 102.8166 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 42.9002, 54.2430, 102.8166 by changing the saturation by 10% instead.

42.9002, 54.2430,
102.8166

42.9002, 54.2430,
102.8166

349.1297,
403.0360, 590.5093

30.0010, 38.7960,
78.0249

78.8169, 96.4309,
167.1080

19.9874, 26.6010,
57.5779

102.5651,
123.9406, 207.4448

12.4941, 17.2738,
41.0569

130.6603,
156.2400, 253.8004

7.1557, 10.4299,
28.0435

163.4680,
193.7135, 306.5934

3.6069, 5.6849,
18.1192

201.3534,
236.7454, 366.2422

1.4822, 2.6545,
10.8652

244.6819,

0.3137, 0.9541,

285.7202, 433.1654

5.8633

293.8189,
341.0223, 507.7816

■ 0.0000, 0.0000,
2.6947

■ 0.0000, 0.0000,
0.9407

■ 42.9002, 54.2430,
102.8166

■ 42.9002, 54.2430,
102.8166

■ 40.3219, 50.8081,
102.2895

■ 46.2718, 58.1674,
103.3964

■ 38.4116, 47.7942,
101.8084

■ 50.5272, 62.6258,
104.0327

■ 37.8923, 46.9046,
101.6641

■ 55.7492, 67.6625,
104.7296

■ 62.0094, 73.3154,
105.4908

■ 69.3725, 79.6186,
106.3194

■ 77.8978, 86.6034,
107.2182

■ 87.6400, 94.2987,
108.1901

■ 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.



38.5883, 54.2430, 78.9304



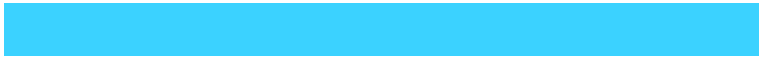
42.9002, 54.2430, 102.8166



49.8929, 54.2430, 115.3702

Triad

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



42.9002, 54.2430, 102.8166



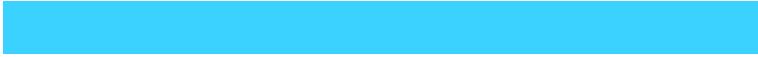
68.6258, 54.2430, 64.0095



45.5289, 54.2430, 26.9481

Complementary

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



42.9002, 54.2430, 102.8166



46.9814, 31.4791, 7.7396

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.



53.2563, 54.2430, 24.9108



42.9002, 54.2430, 102.8166



67.1460, 54.2430, 42.8424

Square

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



42.9002, 54.2430, 102.8166



65.1604, 54.2430, 89.4899



61.3049, 54.2430, 29.9044



39.9912, 54.2430, 36.4547

Rectangle

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



42.9002, 54.2430, 102.8166



55.3571, 54.2430, 113.7762



61.3049, 54.2430, 29.9044



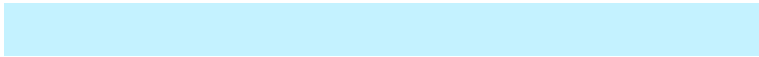
47.9337, 54.2430, 25.4916

Sweetspot

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



42.9018, 54.2448, 102.8169



72.5198, 82.2301, 106.6575



39.9370, 73.3993, 24.4978



14.8901, 17.0764, 22.7612



0.0000, 0.0000, 0.0000



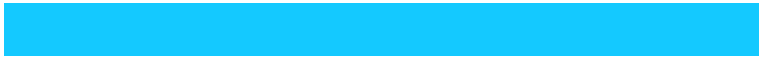
20.3446, 21.4041, 23.3091

Same Dimension

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



42.9018, 54.2448, 102.8169



39.2653, 49.2101, 102.0367



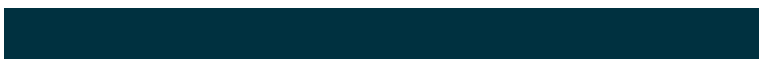
25.9334, 20.3080, 97.1607



18.1805, 19.7325, 23.1005



19.9182, 24.7459, 53.1612



2.0214, 2.5734, 5.2035

Inverse Universe

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



54.4380, 29.0428, 63.7112



52.0560, 25.9980, 57.6173



62.5618, 62.6398, 12.9331



18.6037, 18.2248, 21.7964



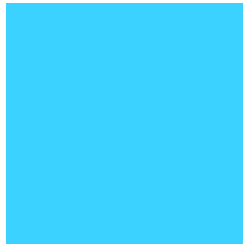
26.8420, 13.2261, 28.8820



2.6549, 1.3043, 3.0301

Previews

White Background



This preview shows how the XYZ color 42.9002, 54.2430, 102.8166 looks on a white background.

Color Contrast Check

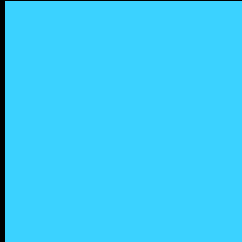
Large Text (above 18pt) WCAG AA × Fail

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 42.9002, 54.2430, 102.8166 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

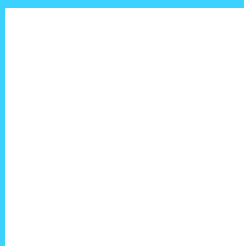
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9002, 54.2430, 102.8166

Background



This preview shows how black text looks on a background with the XYZ color 42.9002, 54.2430, 102.8166.

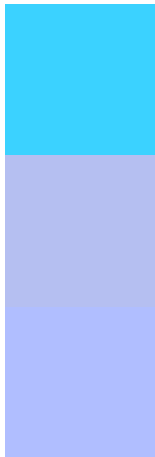


This preview shows how white text looks on a background with the XYZ color 42.9002, 54.2430,

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

42.9002, 54.2430, 102.8166

Protanopia

53.5640, 53.4362, 90.7102

Deuteranopia

54.3680, 53.2770, 102.0257



Tritanopia

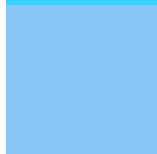
39.1301, 54.2027, 84.0011

Trichromacy



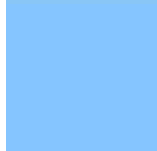
Original Color

42.9002, 54.2430, 102.8166



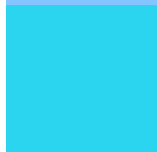
Protanomaly

47.1452, 52.3604, 94.8105



Deuteranomaly

47.6891, 52.1391, 102.1581



Tritanomaly

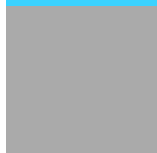
40.5187, 54.3934, 90.8015

Monochromacy



Original Color

42.9002, 54.2430, 102.8166



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

37.0975, 43.6608, 61.7305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9002, 54.2430, 102.8166 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(59, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 210, 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(59, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 210, 255) }
```

Border

The CSS property to change the border of an element to XYZ 42.9002, 54.2430, 102.8166 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(59, 210, 255) }
```


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

```
.border{ border-color:rgb(59, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 210,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9002, 54.2430, 102.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 210, 255) }
```

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

```
.background{ background-color: rgb(59, 210,  
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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