

Converting Colors

XYZ(47.9606, 56.2326,
121.8303)

Have a look what the booklet for
XYZ(47.9606, 56.2326, 121.8303)
contains.

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Color

**XYZ(44.2438, 54.5703,
102.8090)**

Conversions

Conversions Part 1

Format	Color
Hex	51D1FF
RGB	81, 209, 255
RGB Percent	32%, 82%, 100%
CMY	0.6823, 0.1804, 0.0000
CMYK	0.68, 0.18, 0.00, 0.00
HSL	196°, 100%, 66%
HSV	196°, 68%, 100%
XYZ	44.2438, 54.5703, 102.8090
YIQ	175.9720, -91.0540, -12.8300

Conversions

Conversions Part 2

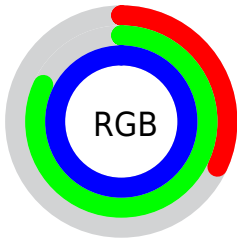
Format	Color
R _Y B	81, 155, 255
Decimal	5362175
CIE Lab	78.79, -21.09, -32.77
CIE LCh	79, 38.972, 237.240
Yxy	54.5703, 0.2194, 0.2707
Android (android.graphics.Color)	4283552255 (0xFF51D1FF)
YUV	175.9720, 38.9608, -83.2904
Hunter-Lab	73.8717, -22.3669, -30.8051

Details

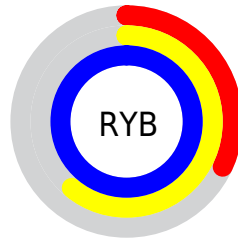
The XYZ color **44.2438, 54.5703, 102.8090** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **50.3159, 37.0349, 12.2831**, and the grayscale version is **41.0918, 43.2318, 47.0795**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **21.7486, 27.1884, 57.5277** is the 20% darker color. If you saturate the color by 10%, you get **40.8356, 50.4107, 102.1857**, and if you desaturate by 10%, it is **48.5451, 59.2964, 103.4945**.

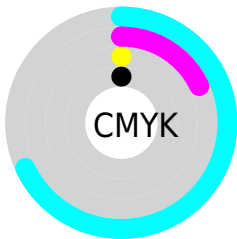
Distribution



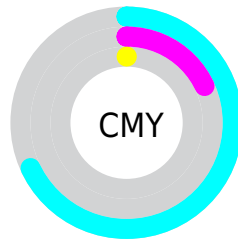
- Red (32%)
- Green (82%)
- Blue (100%)



- Red (32%)
- Yellow (61%)
- Blue (100%)



- Cyan (68%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2438, 54.5703, 102.8090 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 44.2438, 54.5703, 102.8090 by changing the saturation by 10% instead.

44.2438, 54.5703,
102.8090

44.2438, 54.5703,
102.8090

354.5377,
404.2810, 590.4850

31.0610, 39.0578,
78.0186

80.8286, 96.9111,
167.0975

20.7973, 26.8047,
57.5727

104.9612,
124.5082, 207.4327

13.0875, 17.4266,
41.0528

133.4744,
156.9022, 253.7866

7.5663, 10.5391,
28.0403

166.7337,
194.4777, 306.5776

3.8681, 5.7578,
18.1168

205.1043,
237.6189, 366.2245

1.6278, 2.6984,
10.8635

248.9516,

0.4104, 0.9764,

286.7102, 433.1456

5.8621

298.6409,
342.1361, 507.7596

■ 0.0000, 0.0000,
2.6940

■ 0.0000, 0.0000,
0.9404

■ 44.2438, 54.5703,
102.8090

■ 44.2438, 54.5703,
102.8090

■ 40.8356, 50.4107,
102.1857

■ 48.5451, 59.2964,
103.4945

■ 38.2176, 46.7600,
101.6190

■ 53.8178, 64.6273,
104.2456

■ 36.2565, 43.5493,
101.1027

■ 60.1366, 70.6039,
105.0661

■ 35.9450, 43.0100,
101.0150

■ 67.5672, 77.2612,
105.9595

■ 76.1699, 84.6316,
106.9287

■ 86.0004, 92.7447,
107.9766

95.0500, 100.0000,
108.9000

Harmonies

Analogous

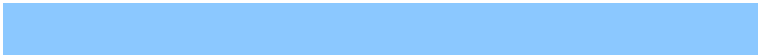
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.7593, 54.5703, 81.0740



44.2438, 54.5703, 102.8090



51.1561, 54.5703, 112.7882

Triad

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



44.2438, 54.5703, 102.8090



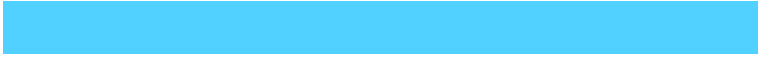
68.1489, 54.5703, 61.4879



45.3664, 54.5703, 29.0726

Complementary

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



44.2438, 54.5703, 102.8090



50.3159, 37.0349, 12.2831

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.



52.5853, 54.5703, 26.2712



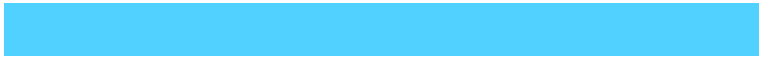
44.2438, 54.5703, 102.8090



66.2136, 54.5703, 42.0085

Square

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



44.2438, 54.5703, 102.8090



65.3762, 54.5703, 85.5133



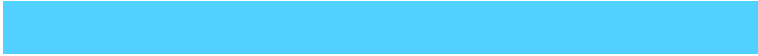
60.3201, 54.5703, 30.3619



40.3608, 54.5703, 39.2577

Rectangle

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



44.2438, 54.5703, 102.8090



56.3917, 54.5703, 109.9600



60.3201, 54.5703, 30.3619



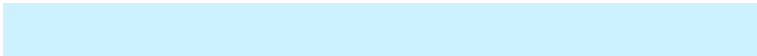
47.5919, 54.5703, 27.3658

Sweetspot

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



44.2454, 54.5722, 102.8092



74.5605, 83.2747, 106.7516



42.8245, 74.7379, 31.4064



15.4283, 17.3728, 22.7901



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.



44.2454, 54.5722, 102.8092



39.7619, 48.9779, 101.9658



28.7157, 23.5127, 97.6327



18.1247, 19.6210, 23.0819



18.9107, 22.7310, 52.8254



1.9307, 2.3921, 5.1732

Inverse Universe

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



55.6922, 31.7500, 63.5166



52.6058, 27.3633, 56.9818



66.1449, 68.6929, 17.5595



18.5756, 18.2136, 21.6482



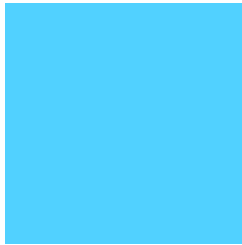
26.3335, 13.0227, 26.2042



2.6091, 1.2860, 2.7891

Previews

White Background



This preview shows how the XYZ color 44.2438, 54.5703, 102.8090 looks on a white background.

Color Contrast Check

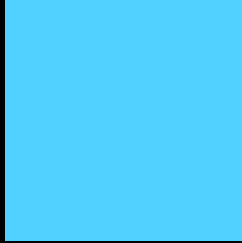
Large Text (above 18pt) WCAG AA × Fail

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 44.2438, 54.5703, 102.8090 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

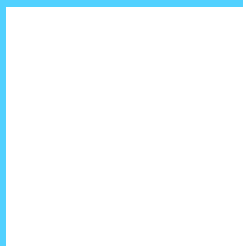
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.2438, 54.5703, 102.8090

Background



This preview shows how black text looks on a background with the XYZ color 44.2438, 54.5703, 102.8090.

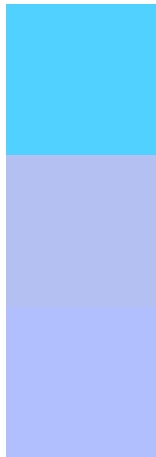


This preview shows how white text looks on a background with the XYZ color 44.2438, 54.5703,

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

44.2438, 54.5703, 102.8090

Protanopia

53.9327, 53.9338, 91.5721

Deuteranopia

54.8123, 53.8287, 102.1088



Tritanopia

40.4648, 54.5163, 83.9913

Trichromacy



Original Color

44.2438, 54.5703, 102.8090

Protanomaly

48.6596, 53.1233, 95.6849

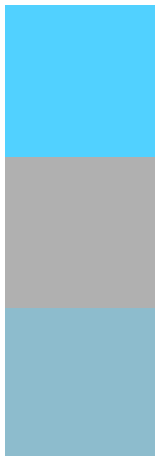
Deuteranomaly

49.3994, 53.3589, 102.3034

Tritanomaly

41.8702, 54.7178, 90.7929

Monochromacy



Original Color

44.2438, 54.5703, 102.8090

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.9872, 46.0369, 64.5361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.2438, 54.5703, 102.8090 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(81, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(81, 209, 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(81, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 209, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.2438, 54.5703, 102.8090 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(81, 209, 255) }
```


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

```
.border{ border-color:rgb(81, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(81, 209,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.2438, 54.5703, 102.8090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 209, 255) }
```

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

```
.background{ background-color: rgb(81, 209,  
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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