

Converting Colors

XYZ(54.4327, 54.9794,
150.3069)

Have a look what the booklet for
XYZ(54.4327, 54.9794, 150.3069)
contains.

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Color

**XYZ(45.1835, 51.1856,
102.1061)**

Conversions

Conversions Part 1

Format	Color
Hex	72C6FF
RGB	114, 198, 255
RGB Percent	45%, 78%, 100%
CMY	0.5529, 0.2235, 0.0000
CMYK	0.55, 0.22, 0.00, 0.00
HSL	204°, 100%, 72%
HSV	204°, 55%, 100%
XYZ	45.1835, 51.1856, 102.1061
YIQ	179.3820, -68.3610, -0.0810

Conversions

Conversions Part 2

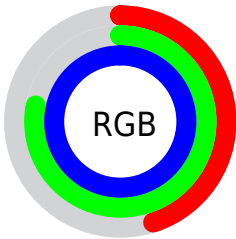
Format	Color
RYB	114, 167, 255
Decimal	7522047
CIELab	76.79, -9.74, -35.78
CIElCh	77, 37.077, 254.777
Yxy	51.1856, 0.2277, 0.2579
Android (android.graphics.Color)	4285712127 (0xFF72C6FF)
YUV	179.3820, 37.2797, -57.3400
Hunter-Lab	71.5441, -12.4710, -34.5364

Details

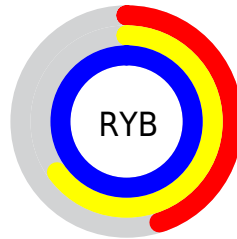
The XYZ color **45.1835, 51.1856, 102.1061** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.8412, 51.6023, 22.7805**, and the grayscale version is **42.8865, 45.1199, 49.1356**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **21.3386, 24.6281, 57.0551** is the 20% darker color. If you saturate the color by 10%, you get **40.0407, 45.1556, 101.2133**, and if you desaturate by 10%, it is **51.4142, 58.0165, 103.0962**.

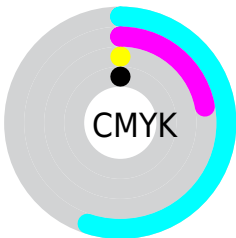
Distribution



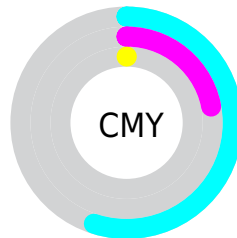
- Red (45%)
- Green (78%)
- Blue (100%)



- Red (45%)
- Yellow (65%)
- Blue (100%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1835, 51.1856, 102.1061 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 45.1835, 51.1856, 102.1061 by changing the saturation by 10% instead.

45.1835, 51.1856,
102.1061

45.1835, 51.1856,
102.1061

358.2874,
391.2845, 588.2284

31.8039, 36.3563,
77.4339

82.2311, 91.9291,
166.1255

21.3666, 24.7095,
57.0954

106.6297,
118.6121, 206.3098

13.5062, 15.8608,
40.6720

135.4321,
150.0151, 252.5019

7.8574, 9.4257,
27.7451

169.0036,
186.5225, 305.1204

4.0549, 5.0199,
17.8962

207.7095,
228.5188, 364.5837

1.7332, 2.2589,
10.7068

251.9152,

0.4769, 0.7518,

276.3883, 431.3105

5.7584

301.9861,
330.5154, 505.7192

■ 0.0000, 0.0000,
2.6323

■ 0.0000, 0.0000,
0.9091

■ 45.1835, 51.1856,
102.1061

■ 45.1835, 51.1856,
102.1061

■ 40.0407, 45.1556,
101.2133

■ 51.4142, 58.0165,
103.0962

■ 35.8988, 39.8740,
100.4121

■ 58.8009, 65.6850,
104.1871

■ 32.6642, 35.2886,
99.6975

■ 67.4115, 74.2315,
105.3829

■ 30.2197, 31.3341,
99.0631

■ 77.3068, 83.6917,
106.6874

■ 29.2645, 29.6490,
98.7882

■ 88.5433, 94.0990,
108.1039

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.



39.6642, 51.1856, 87.7229



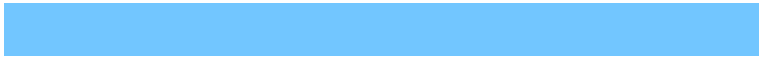
45.1835, 51.1856, 102.1061



52.1836, 51.1856, 102.2230

Triad

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



45.1835, 51.1856, 102.1061



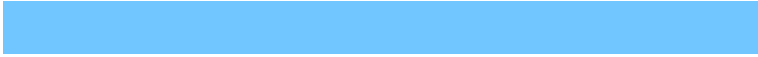
62.9406, 51.1856, 46.4219



39.7292, 51.1856, 32.5033

Complementary

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



45.1835, 51.1856, 102.1061



58.8412, 51.6023, 22.7805

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.



45.2804, 51.1856, 26.0340



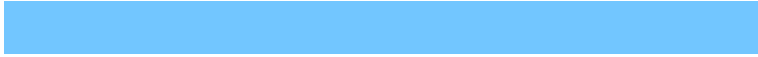
45.1835, 51.1856, 102.1061



58.9006, 51.1856, 32.6524

Square

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



45.1835, 51.1856, 102.1061



62.9082, 51.1856, 66.5387



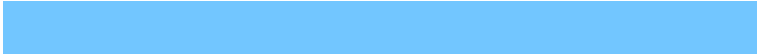
52.2902, 51.1856, 26.0810



36.7281, 51.1856, 46.1645

Rectangle

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



45.1835, 51.1856, 102.1061



56.7829, 51.1856, 94.0030



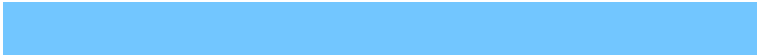
52.2902, 51.1856, 26.0810



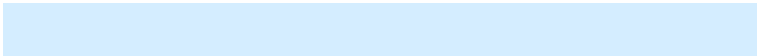
41.3339, 51.1856, 29.5791

Sweetspot

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



45.1851, 51.1874, 102.1064



75.5227, 82.0092, 106.4566



49.9943, 78.0154, 50.6544



15.7266, 17.1374, 22.7289



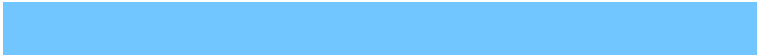
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.1851, 51.1874, 102.1064



39.7152, 44.7573, 101.1535



32.7233, 26.2639, 97.9525



17.9029, 19.1774, 23.0080



15.4417, 15.7929, 51.6691



1.6108, 1.7522, 5.0666

Inverse Universe

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



57.4515, 37.3735, 57.6137



53.5898, 31.6142, 50.2713



75.7035, 85.3269, 28.4013



18.4636, 18.1688, 21.0587



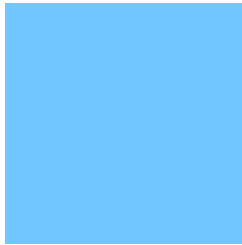
24.5824, 12.3223, 16.9835



2.4476, 1.2214, 1.9387

Previews

White Background



This preview shows how the XYZ color 45.1835, 51.1856, 102.1061 looks on a white background.

Color Contrast Check

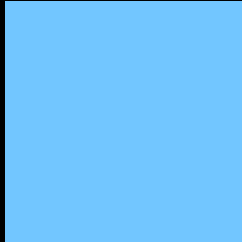
Large Text (above 18pt) WCAG AA × Fail

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 45.1835, 51.1856, 102.1061 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

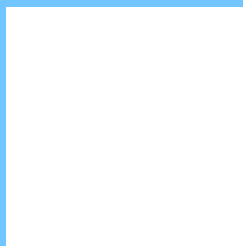
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1835, 51.1856, 102.1061

Background



This preview shows how black text looks on a background with the XYZ color 45.1835, 51.1856, 102.1061.



This preview shows how white text looks on a background with the XYZ color 45.1835, 51.1856,

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

45.1835, 51.1856, 102.1061

Protanopia

51.2067, 50.5423, 94.2455

Deuteranopia

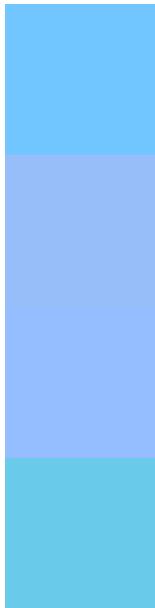
51.7574, 50.6626, 101.6587



Tritanopia

40.0108, 51.1729, 76.1752

Trichromacy



Original Color

45.1835, 51.1856, 102.1061

Protanomaly

48.2748, 50.2458, 96.7766

Deuteranomaly

48.6762, 50.3428, 101.7594

Tritanomaly

41.7724, 51.1884, 84.7695

Monochromacy



Original Color

45.1835, 51.1856, 102.1061

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.3390, 46.5914, 65.7930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1835, 51.1856, 102.1061 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(114, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 198, 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(114, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.1835, 51.1856, 102.1061 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(114, 198, 255) }
```


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

```
.border{ border-color:rgb(114, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1835, 51.1856, 102.1061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 198, 255) }
```

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

```
.background{ background-color: rgb(114,  
198, 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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