

Converting Colors

XYZ(40.2023, 45.3731,
101.2467)

Have a look what the booklet for
XYZ(40.2023, 45.3731, 101.2467)
contains.

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Color

**XYZ(40.1530, 45.3103,
101.2372)**

Conversions

Conversions Part 1

Format	Color
Hex	59BCFF
RGB	89, 188, 255
RGB Percent	35%, 74%, 100%
CMY	0.6509, 0.2627, 0.0000
CMYK	0.65, 0.26, 0.00, 0.00
HSL	204°, 100%, 67%
HSV	204°, 65%, 100%
XYZ	40.1530, 45.3103, 101.2372
YIQ	166.0370, -80.5110, -0.1510

Conversions

Conversions Part 2

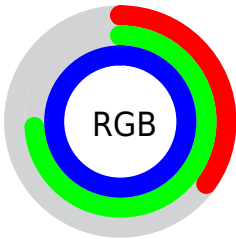
Format	Color
R _{YB}	89, 151, 255
Decimal	5881087
CIE Lab	73.10, -8.86, -41.59
CIE LCh	73, 42.525, 257.972
Yxy	45.3103, 0.2151, 0.2427
Android (android.graphics.Color)	4284071167 (0xFF59BCFF)
YUV	166.0370, 43.8588, -67.5614
Hunter-Lab	67.3129, -11.3201, -42.0518

Details

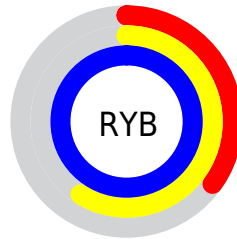
The XYZ color **40.1530, 45.3103, 101.2372** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **54.9331, 45.7605, 15.3905**, and the grayscale version is **36.0878, 37.9672, 41.3463**.

A 20% lighter version of the original color is **63.5376, 78.6937, 106.4484**, and **18.8570, 21.4052, 56.5638** is the 20% darker color. If you saturate the color by 10%, you get **35.9953, 40.0192, 100.4351**, and if you desaturate by 10%, it is **45.3174, 51.3547, 102.1317**.

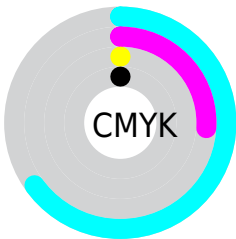
Distribution



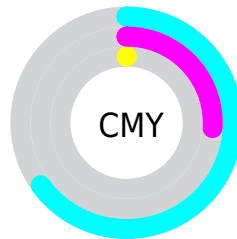
- Red (35%)
- Green (74%)
- Blue (100%)



- Red (35%)
- Yellow (59%)
- Blue (100%)



- Cyan (65%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1530, 45.3103, 101.2372 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 40.1530, 45.3103, 101.2372 by changing the saturation by 10% instead.

■ 40.1530, 45.3103,
101.2372

■ 40.1530, 45.3103,
101.2372

337.8914,
368.0288, 585.4325

■ 27.8426, 31.7019,
76.7115

■ 74.6793, 83.1859,
164.9230

■ 18.3469, 21.1339,
56.5060

■ 97.6259, 108.2218,
204.9203

■ 11.3005, 13.2219,
40.2021

■ 124.8486,
137.8357, 250.9118

■ 6.3381, 7.5815,
27.3811

■ 156.7128,
172.4120, 303.3161

■ 3.0944, 3.8284,
17.6247

193.5838,
212.3351, 362.5518

■ 1.2039, 1.5780,
10.5142

235.8270,

■ 0.1094, 0.3427,

257.9893, 429.0375

5.6312

283.8078,
309.7591, 503.1915

■ 0.0000, 0.0000,
2.5570

■ 0.0000, 0.0000,
0.8701

■ 40.1530, 45.3103,
101.2372

■ 40.1530, 45.3103,
101.2372

■ 35.9953, 40.0192,
100.4351

■ 45.3174, 51.3547,
102.1317

■ 32.7451, 35.4230,
99.7192

■ 51.5660, 58.1948,
103.1227

■ 30.2871, 31.4583,
99.0835

■ 58.9732, 65.8742,
104.2145

■ 29.2907, 29.7014,
98.7969

■ 67.6050, 74.4313,
105.4113

■ 77.5221, 83.9017,
106.7165

■ 88.7810, 94.3188,
108.1338

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.



34.1805, 45.3103, 86.4577



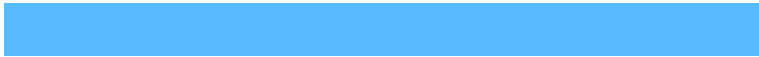
40.1530, 45.3103, 101.2372



47.6328, 45.3103, 99.4720

Triad

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



40.1530, 45.3103, 101.2372



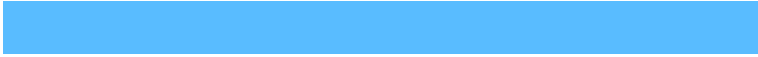
58.1581, 45.3103, 37.7423



33.2892, 45.3103, 26.6742

Complementary

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



40.1530, 45.3103, 101.2372



54.9331, 45.7605, 15.3905

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.



38.8010, 45.3103, 19.7237



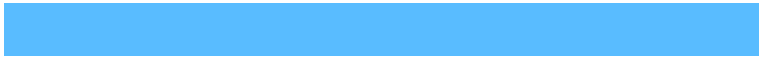
40.1530, 45.3103, 101.2372



53.3718, 45.3103, 24.7297

Square

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



40.1530, 45.3103, 101.2372



58.6285, 45.3103, 58.3756



46.1168, 45.3103, 19.1329



30.5344, 45.3103, 41.2800

Rectangle

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



40.1530, 45.3103, 101.2372



52.4818, 45.3103, 89.1957



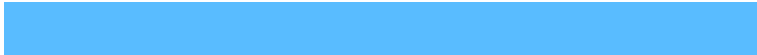
46.1168, 45.3103, 19.1329



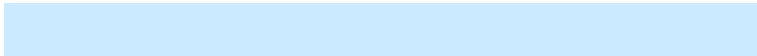
34.8498, 45.3103, 23.5719

Sweetspot

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



40.1544, 45.3118, 101.2374



72.4930, 79.1398, 106.0625



45.8312, 76.0245, 43.4478



14.9303, 16.3768, 22.6241



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.



40.1544, 45.3118, 101.2374



34.9620, 38.6146, 100.2184



27.2844, 19.5718, 96.9474



17.9039, 19.1794, 23.0083



15.4553, 15.8202, 51.6736



1.6120, 1.7548, 5.0670

Inverse Universe

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



53.8905, 32.0372, 50.9218



50.3694, 27.1822, 43.0052



73.7349, 83.3642, 21.6578



18.4641, 18.1690, 21.0613



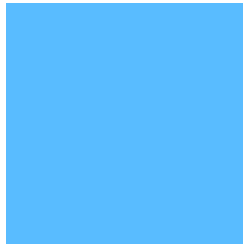
24.5893, 12.3250, 17.0197



2.4483, 1.2217, 1.9421

Previews

White Background



This preview shows how the XYZ color 40.1530, 45.3103, 101.2372 looks on a white background.

Color Contrast Check

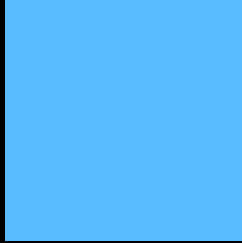
Large Text (above 18pt) WCAG AA × Fail

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 40.1530, 45.3103, 101.2372 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

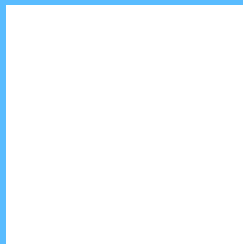
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1530, 45.3103, 101.2372

Background



This preview shows how black text looks on a background with the XYZ color 40.1530, 45.3103, 101.2372.

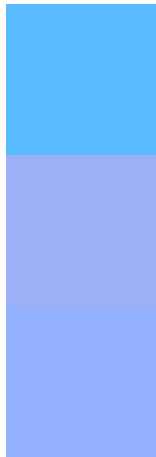


This preview shows how white text looks on a background with the XYZ color 40.1530, 45.3103,

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

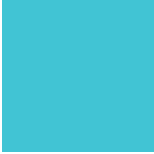
40.1530, 45.3103, 101.2372

Protanopia

46.1073, 44.9123, 92.6250

Deuteranopia

45.9849, 44.9602, 100.8623



Tritanopia

33.8036, 45.3571, 69.2605

Trichromacy



Original Color

40.1530, 45.3103, 101.2372

Protanomaly

43.0930, 44.4686, 95.9346

Deuteranomaly

43.3263, 44.7798, 100.9676

Tritanomaly

35.8976, 45.1972, 80.2307

Monochromacy



Original Color

40.1530, 45.3103, 101.2372

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.8103, 39.7526, 59.2117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1530, 45.3103, 101.2372 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(89, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 188, 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(89, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.1530, 45.3103, 101.2372 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(89, 188, 255) }
```


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

```
.border{ border-color:rgb(89, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1530, 45.3103, 101.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 188, 255) }
```

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

```
.background{ background-color: rgb(89, 188,  
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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