

Converting Colors

XYZ(45.4802, 48.2960,
101.5327)

Have a look what the booklet for
XYZ(45.4802, 48.2960, 101.5327)
contains.

XYZ(45.6077, 48.4405, 101.5539)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.6077, 48.4405,
101.5539)**

Conversions

Conversions Part 1

Format	Color
Hex	83BDFF
RGB	131, 189, 255
RGB Percent	51%, 74%, 100%
CMY	0.4863, 0.2588, 0.0000
CMYK	0.49, 0.26, 0.00, 0.00
HSL	212°, 100%, 76%
HSV	212°, 49%, 100%
XYZ	45.6077, 48.4405, 101.5539
YIQ	179.1820, -55.7540, 8.2300

Conversions

Conversions Part 2

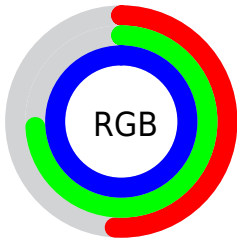
Format	Color
R_{YB}	131, 171, 255
Decimal	8633855
CIE _{Lab}	75.10, -1.24, -38.34
CIE _{LCh}	75, 38.356, 268.153
Yxy	48.4405, 0.2332, 0.2476
Android (android.graphics.Color)	4286823935 (0xFF83BDFF)
YUV	179.1820, 37.3783, -42.2556
Hunter-Lab	69.5992, -4.8293, -37.7920

Details

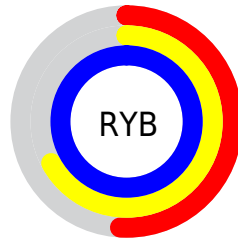
The XYZ color **45.6077, 48.4405, 101.5539** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.3041, 62.8327, 30.1609**, and the grayscale version is **42.7745, 45.0021, 49.0073**.

A 20% lighter version of the original color is **71.6887, 83.3436, 106.9163**, and **21.6697, 23.0633, 56.7356** is the 20% darker color. If you saturate the color by 10%, you get **39.3492, 41.0817, 100.4634**, and if you desaturate by 10%, it is **53.1142, 56.8502, 102.7815**.

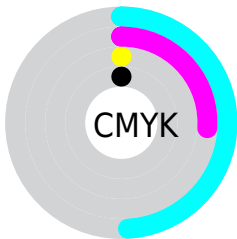
Distribution



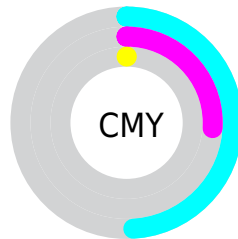
- Red (51%)
- Green (74%)
- Blue (100%)



- Red (51%)
- Yellow (67%)
- Blue (100%)



- Cyan (49%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6077, 48.4405, 101.5539 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 45.6077, 48.4405, 101.5539 by changing the saturation by 10% instead.

■ 45.6077, 48.4405,
101.5539

■ 45.6077, 48.4405,
101.5539

359.9716,
380.5355, 586.4524

■ 32.1397, 34.1759,
76.9748

■ 82.8630, 87.8599,
165.3614

■ 21.6243, 23.0287,
56.7208

■ 107.3811,
113.7835, 205.4269

■ 13.6961, 14.6147,
40.3732

■ 136.3131,
144.3621, 251.4916

■ 7.9899, 8.5494,
27.5137

170.0246,
179.9802, 303.9741

■ 4.1402, 4.4485,
17.7235

208.8809,
221.0222, 363.2929

■ 1.7818, 1.9275,
10.5843

253.2472,

■ 0.5067, 0.5648,

267.8725, 429.8665

5.6774

303.4890,
320.9155, 504.1135

■ 0.0000, 0.0000,
2.5843

■ 0.0000, 0.0000,
0.8844

■ 45.6077, 48.4405,
101.5539

■ 45.6077, 48.4405,
101.5539

■ 39.3492, 41.0817,
100.4634

■ 53.1142, 56.8502,
102.7815

■ 34.2540, 34.7163,
99.5033

■ 61.9366, 66.3535,
104.1508

■ 30.2333, 29.2877,
98.6674

■ 72.1429, 76.9967,
105.6673

■ 27.1808, 24.7291,
97.9484

■ 83.7947, 88.8216,
107.3356

■ 24.9483, 20.9514,
97.3368

95.0500, 100.0000,
108.9000

■ 24.6794, 20.4789,
97.2598

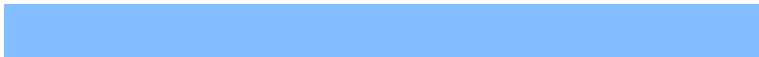
Harmonies

Analogous

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



39.2830, 48.4405, 92.8441



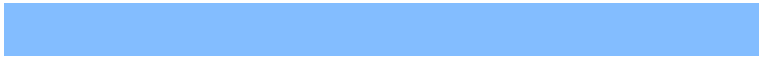
45.6077, 48.4405, 101.5539



52.7047, 48.4405, 94.6718

Triad

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



45.6077, 48.4405, 101.5539



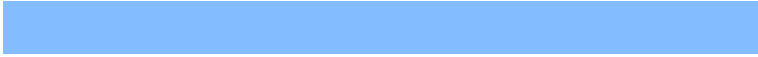
58.9904, 48.4405, 36.5327



35.5055, 48.4405, 34.8698

Complementary

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



45.6077, 48.4405, 101.5539



65.3041, 62.8327, 30.1609

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.



39.9645, 48.4405, 25.4846



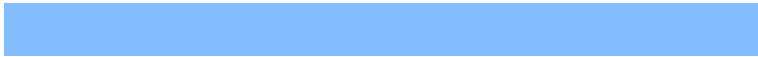
45.6077, 48.4405, 101.5539



53.5333, 48.4405, 26.2593

Square

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



45.6077, 48.4405, 101.5539



60.8849, 48.4405, 53.9988



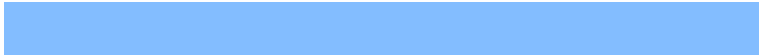
46.4775, 48.4405, 22.7837



33.8304, 48.4405, 51.5077

Rectangle

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



45.6077, 48.4405, 101.5539



56.8403, 48.4405, 82.9485



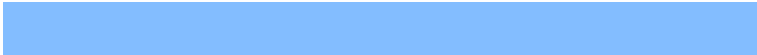
46.4775, 48.4405, 22.7837



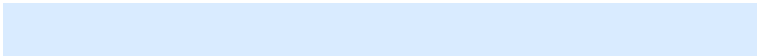
36.7047, 48.4405, 30.9374

Sweetspot

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



45.6092, 48.4422, 101.5542



76.1967, 81.1448, 106.2543



54.9792, 80.2890, 64.2706



15.7997, 16.8479, 22.6692



0.0000, 0.0000, 0.0000



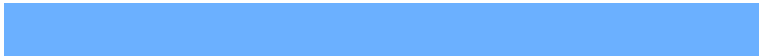
20.3446, 21.4041, 23.3091

Same Dimension

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



45.6092, 48.4422, 101.5542



39.7055, 41.5121, 100.5277



35.8514, 28.4466, 98.2089



17.7035, 18.7785, 22.9415



13.0419, 10.9934, 50.8691



1.3780, 1.2867, 4.9890

Inverse Universe

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



58.5427, 41.1684, 53.0065



54.3722, 34.9419, 45.0978



80.3409, 94.0290, 35.3898



18.3630, 18.1285, 20.5286



23.3711, 11.8378, 10.6049



2.3302, 1.1744, 1.3200

Previews

White Background



This preview shows how the XYZ color 45.6077, 48.4405, 101.5539 looks on a white background.

Color Contrast Check

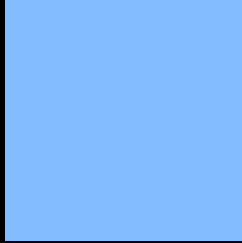
Large Text (above 18pt) WCAG AA × Fail

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 45.6077, 48.4405, 101.5539 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

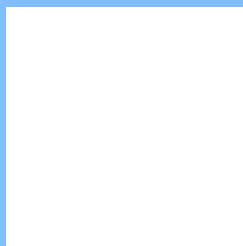
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6077, 48.4405, 101.5539

Background



This preview shows how black text looks on a background with the XYZ color 45.6077, 48.4405, 101.5539.

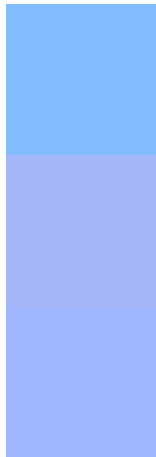


This preview shows how white text looks on a background with the XYZ color 45.6077, 48.4405,

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

45.6077, 48.4405, 101.5539

Protanopia

49.3439, 48.2948, 96.3437

Deuteranopia

49.2752, 48.1495, 101.3044



Tritanopia

39.4477, 48.5882, 70.2501

Trichromacy



Original Color

45.6077, 48.4405, 101.5539

Protanomaly

47.8984, 48.4353, 98.0912

Deuteranomaly

47.7934, 48.3075, 101.4130

Tritanomaly

41.4638, 48.3960, 80.5548

Monochromacy



Original Color

45.6077, 48.4405, 101.5539

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.0963, 46.0533, 65.6493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6077, 48.4405, 101.5539 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(131, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(131, 189, 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(131, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 189, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.6077, 48.4405, 101.5539 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(131, 189, 255) }
```


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

```
.border{ border-color:rgb(131, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(131, 189,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6077, 48.4405, 101.5539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 189, 255) }
```

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

```
.background{ background-color: rgb(131,  
189, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor