

Converting Colors

XYZ(45.3820, 48.7804,
101.6314)

Have a look what the booklet for
XYZ(45.3820, 48.7804, 101.6314)
contains.

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Color

**XYZ(45.3655, 48.6361,
101.6044)**

Conversions

Conversions Part 1

Format	Color
Hex	80BEFF
RGB	128, 190, 255
RGB Percent	50%, 75%, 100%
CMY	0.4980, 0.2549, 0.0000
CMYK	0.50, 0.25, 0.00, 0.00
HSL	211°, 100%, 75%
HSV	211°, 50%, 100%
XYZ	45.3655, 48.6361, 101.6044
YIQ	178.8720, -57.8170, 7.0710

Conversions

Conversions Part 2

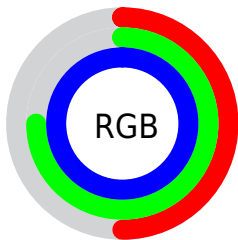
Format	Color
RYB	128, 170, 255
Decimal	8437503
CIELab	75.22, -2.46, -38.16
CIELCh	75, 38.236, 266.314
Yxy	48.6361, 0.2319, 0.2486
Android (android.graphics.Color)	4286627583 (0xFF80BEFF)
YUV	178.8720, 37.5311, -44.6147
Hunter-Lab	69.7396, -5.9303, -37.5626

Details

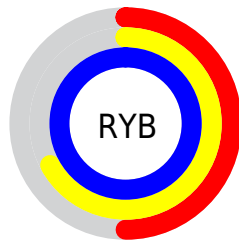
The XYZ color **45.3655, 48.6361, 101.6044** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.2072, 60.9597, 28.8063**, and the grayscale version is **42.6096, 44.8287, 48.8184**.

A 20% lighter version of the original color is **71.2555, 83.5706, 106.9829**, and **21.5226, 23.1975, 56.7693** is the 20% darker color. If you saturate the color by 10%, you get **39.2996, 41.4996, 100.5467**, and if you desaturate by 10%, it is **52.6512, 56.7790, 102.7922**.

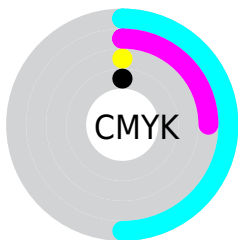
Distribution



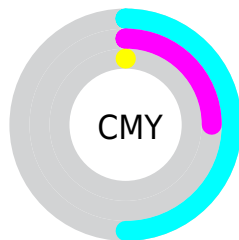
- Red (50%)
- Green (75%)
- Blue (100%)



- Red (50%)
- Yellow (67%)
- Blue (100%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3655, 48.6361, 101.6044 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 45.3655, 48.6361, 101.6044 by changing the saturation by 10% instead.

■ 45.3655, 48.6361,
101.6044

■ 45.3655, 48.6361,
101.6044

359.0107,
381.3080, 586.6149

■ 31.9479, 34.3309,
77.0168

■ 82.5023, 88.1507,
165.4313

■ 21.4771, 23.1479,
56.7550

■ 106.9522,
114.1290, 205.5077

■ 13.5876, 14.7028,
40.4005

■ 135.8103,
144.7670, 251.5841

■ 7.9142, 8.6110,
27.5348

169.4419,
180.4492, 304.0790

■ 4.0914, 4.4884,
17.7393

208.2124,
221.5600, 363.4110

■ 1.7540, 1.9503,
10.5955

252.4871,

■ 0.4897, 0.5784,

268.4838, 429.9986

5.6848

302.6314,
321.6050, 504.2604

■ 0.0000, 0.0000,
2.5887

■ 0.0000, 0.0000,
0.8866

■ 45.3655, 48.6361,
101.6044

■ 45.3655, 48.6361,
101.6044

■ 39.2996, 41.4996,
100.5467

■ 52.6512, 56.7790,
102.7922

■ 34.3687, 35.3134,
99.6125

■ 61.2245, 65.9701,
104.1144

■ 30.4832, 30.0218,
98.7959

■ 71.1533, 76.2542,
105.5761

■ 27.5357, 25.5588,
98.0898

■ 82.4989, 87.6718,
107.1819

■ 25.3580, 21.8265,
97.4842

95.0500, 100.0000,
108.9000

■ 25.3190, 21.7580,
97.4730

Harmonies

Analogous

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



39.1436, 48.6361, 92.0318



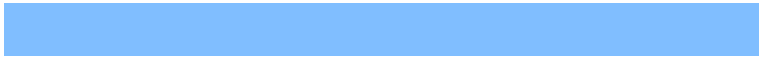
45.3655, 48.6361, 101.6044



52.4665, 48.6361, 95.6681

Triad

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



45.3655, 48.6361, 101.6044



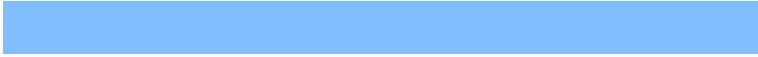
59.3996, 48.6361, 37.6148



35.8895, 48.6361, 34.2937

Complementary

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



45.3655, 48.6361, 101.6044



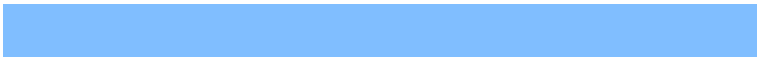
64.2072, 60.9597, 28.8063

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.



40.5032, 48.6361, 25.3329



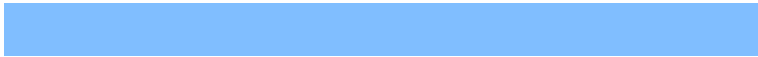
45.3655, 48.6361, 101.6044



54.1175, 48.6361, 26.8823

Square

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



45.3655, 48.6361, 101.6044



61.0330, 48.6361, 55.4787



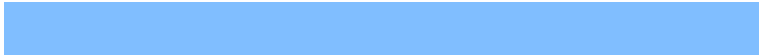
47.0997, 48.6361, 23.0089



34.0332, 48.6361, 50.5119

Rectangle

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



45.3655, 48.6361, 101.6044



56.6808, 48.6361, 84.3628



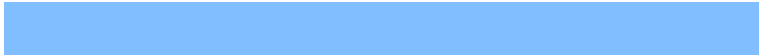
47.0997, 48.6361, 23.0089



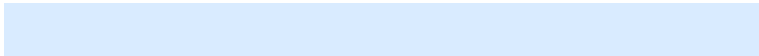
37.1450, 48.6361, 30.5087

Sweetspot

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



45.3670, 48.6378, 101.6047



76.4207, 81.5928, 106.3289



54.1223, 79.8934, 62.1492



15.8535, 16.9556, 22.6871



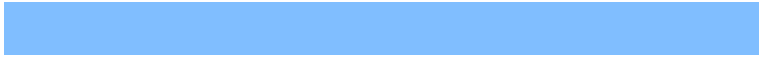
0.0000, 0.0000, 0.0000



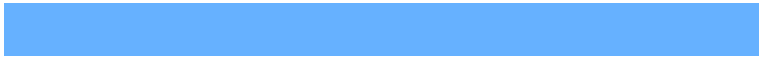
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3670, 48.6378, 101.6047



39.1911, 41.3679, 100.5270



34.6728, 27.2494, 98.0399



17.7351, 18.8418, 22.9520



13.3781, 11.6658, 50.9812



1.4115, 1.3537, 5.0002

Inverse Universe

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



58.2545, 40.4176, 53.4479



53.8966, 33.9248, 45.1422



80.8966, 94.3387, 34.3695



18.3789, 18.1349, 20.6126



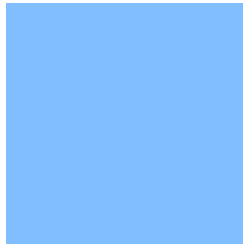
23.5408, 11.9056, 11.4985



2.3471, 1.1812, 1.4091

Previews

White Background



This preview shows how the XYZ color 45.3655, 48.6361, 101.6044 looks on a white background.

Color Contrast Check

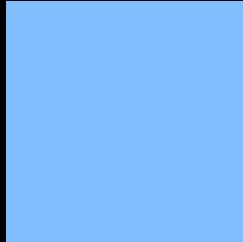
Large Text (above 18pt) WCAG AA × Fail

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 45.3655, 48.6361, 101.6044 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

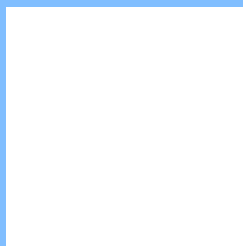
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3655, 48.6361, 101.6044

Background



This preview shows how black text looks on a background with the XYZ color 45.3655, 48.6361, 101.6044.



This preview shows how white text looks on a background with the XYZ color 45.3655, 48.6361,

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

45.3655, 48.6361, 101.6044

Protanopia

49.3439, 48.2948, 96.3437

Deuteranopia

49.4759, 48.2530, 101.3138



Tritanopia

39.4019, 48.8880, 70.9780

Trichromacy



Original Color

45.3655, 48.6361, 101.6044

Protanomaly

47.7104, 48.3384, 98.0824

Deuteranomaly

47.7934, 48.3075, 101.4130

Tritanomaly

41.4037, 48.6804, 81.3428

Monochromacy



Original Color

45.3655, 48.6361, 101.6044

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.6932, 45.8455, 65.6304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3655, 48.6361, 101.6044 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(128, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 190, 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(128, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.3655, 48.6361, 101.6044 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(128, 190, 255) }
```


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

```
.border{ border-color:rgb(128, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 190, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 190, 255); box-shadow:4px 4px 4px 4px rgb(128, 190, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3655, 48.6361, 101.6044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 190, 255) }
```

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

```
.background{ background-color: rgb(128,  
190, 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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