

Converting Colors

$Y_{xy}(45.8813, 0.2356, 0.2387)$

Have a look what the booklet for
Yxy(45.8813, 0.2356, 0.2387)
contains.

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Color

Yxy(45.7567, 0.2355, 0.2383)

Conversions

Conversions Part 1

Format	Color
Hex	8BB5FF
RGB	139, 181, 255
RGB Percent	55%, 71%, 100%
CMY	0.4549, 0.2902, 0.0001
CMYK	0.45, 0.29, 0.00, 0.00
HSL	218°, 100%, 77%
HSV	218°, 45%, 100%
XYZ	45.2191, 45.7567, 101.0372
YIQ	176.8780, -48.7860, 14.1100

Conversions

Conversions Part 2

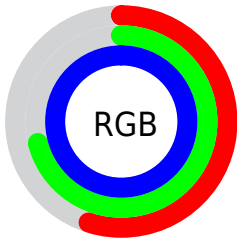
Format	Color
R _Y B	139, 170, 255
Decimal	9156095
CIE Lab	73.39, 5.04, -40.96
CIE LCh	73, 41.269, 277.013
Yxy	45.7567, 0.2355, 0.2383
Android (android.graphics.Color)	4287346175 (0xFF8BB5FF)
YUV	176.8780, 38.5141, -33.2190
Hunter-Lab	67.6437, 0.9488, -41.2090

Details

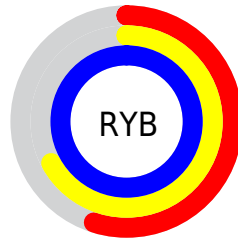
The Yxy color **45.7567, 0.2355, 0.2383** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.7005, 0.3987, 0.4045**, and the grayscale version is **43.7142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6587, 0.2774, 0.3097**, and **21.2649, 0.2153, 0.2148** is the 20% darker color. If you saturate the color by 10%, you get **37.5803, 0.2181, 0.2138**, and if you desaturate by 10%, it is **55.2204, 0.2533, 0.2615**.

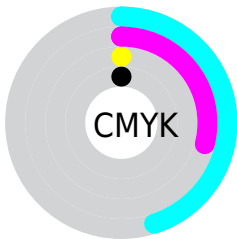
Distribution



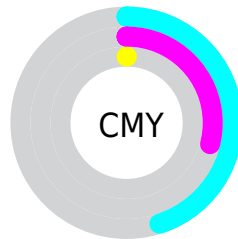
- Red (55%)
- Green (71%)
- Blue (100%)



- Red (55%)
- Yellow (67%)
- Blue (100%)



- Cyan (45%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7567, 0.2355, 0.2383 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 Yxy color 45.7567, 0.2355, 0.2383 by changing the saturation by 10% instead.

■ 45.7567, 0.2355,
0.2383

■ 45.7567, 0.2355,
0.2383

369.8296, 0.2730,
0.2817

■ 32.0539, 0.2267,
0.2283

■ 83.8548, 0.2488,
0.2535

■ 21.4027, 0.2157,
0.2158

■ 109.0188, 0.2538,
0.2594

■ 13.4186, 0.2017,
0.2002

138.7720, 0.2582,
0.2644

■ 7.7175, 0.1835,
0.1800

173.4988, 0.2620,
0.2688

■ 3.9147, 0.1591,
0.1533

213.5835, 0.2652,
0.2726

■ 1.6260, 0.1256,
0.1175

259.4107, 0.2681,

■ 0.3750, 0.0743,

0.2760

0.0581

311.3646, 0.2707,
0.2790

0.0000, 0.0000,
0.0000

45.7567, 0.2355,
0.2383

45.7567, 0.2355,
0.2383

37.5803, 0.2181,
0.2138

55.2204, 0.2533,
0.2615

30.6236, 0.2019,
0.1889

66.0242, 0.2710,
0.2831

24.8196, 0.1877,
0.1643

78.2237, 0.2881,
0.3027

20.0910, 0.1760,
0.1412

91.8696, 0.3043,
0.3202

16.3470, 0.1675,
0.1205

99.9986, 0.3127,
0.3290

■ 14.9309, 0.1645,
0.1121

Harmonies

Analogous

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



45.7567, 0.2119, 0.2535



45.7567, 0.2355, 0.2383



45.7567, 0.2801, 0.2443

Triad

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



45.7567, 0.2355, 0.2383



45.7567, 0.4253, 0.3498



45.7567, 0.2809, 0.4036

Complementary

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



45.7567, 0.2355, 0.2383



70.7005, 0.3987, 0.4045

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.



45.7567, 0.3373, 0.4334



45.7567, 0.2355, 0.2383



45.7567, 0.4231, 0.3936

Square

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



45.7567, 0.2355, 0.2383



45.7567, 0.3933, 0.3056



45.7567, 0.3897, 0.4265



45.7567, 0.2358, 0.3475

Rectangle

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



45.7567, 0.2355, 0.2383



45.7567, 0.3181, 0.2585



45.7567, 0.3897, 0.4265



45.7567, 0.2992, 0.4175

Sweetspot

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



45.7584, 0.2355, 0.2383



80.1682, 0.2906, 0.3054



81.7726, 0.2708, 0.3796



16.5601, 0.2870, 0.3014



0.0000, 0.0000, 0.0000



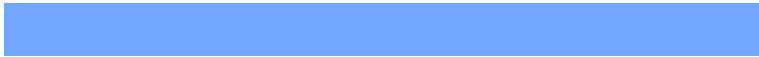
21.4041, 0.3127, 0.3290

Same Dimension

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



45.7584, 0.2355, 0.2383



37.9527, 0.2189, 0.2150



32.6034, 0.2366, 0.1895



18.4545, 0.2979, 0.3134



8.0605, 0.1653, 0.1151



0.9835, 0.1716, 0.1376

Inverse Universe

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



43.0606, 0.3900, 0.2855



36.2008, 0.4156, 0.2777



91.8112, 0.3696, 0.4454



18.0958, 0.3237, 0.3204



11.5417, 0.5536, 0.2823



1.1438, 0.5223, 0.2651

Previews

White Background



This preview shows how the Yxy color 45.7567, 0.2355, 0.2383 looks on a white background.

Color Contrast Check

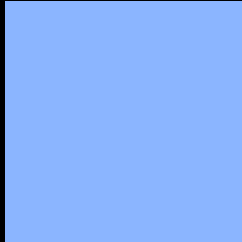
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.7567, 0.2355, 0.2383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

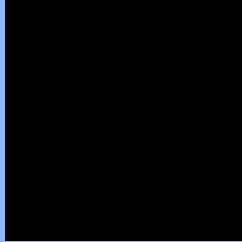
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

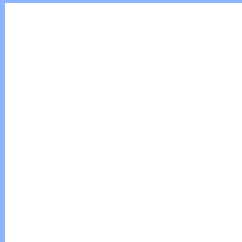
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7567, 0.2355, 0.2383

Background



This preview shows how black text looks on a background with the Yxy color 45.7567, 0.2355, 0.2383.



This preview shows how white text looks on a background with the Yxy color 45.7567, 0.2355, 0.2383.

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

45.7567, 0.2355, 0.2383

Protanopia

45.6407, 0.2468, 0.2386

Deuteranopia

45.7362, 0.2423, 0.2362



Tritanopia

45.6431, 0.2554, 0.3066

Trichromacy



Original Color

45.7567, 0.2355, 0.2383

Protanomaly

45.4167, 0.2422, 0.2379

Deuteranomaly

45.6632, 0.2396, 0.2368

Tritanomaly

45.6683, 0.2476, 0.2797

Monochromacy



Original Color

45.7567, 0.2355, 0.2383

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.0351, 0.2801, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7567, 0.2355, 0.2383 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(139, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 181, 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(139, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.7567, 0.2355, 0.2383 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(139, 181, 255) }
```

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

```
.border{ border-color:rgb(139, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7567, 0.2355, 0.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 181, 255) }
```

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

```
.background{ background-color: rgb(139,  
181, 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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