

Converting Colors

$Y_{xy}(45.1546, 0.2259, 0.2390)$

Have a look what the booklet for
Yxy(45.1546, 0.2259, 0.2390)
contains.

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Color

Yxy(45.0089, 0.2258, 0.2386)

Conversions

Conversions Part 1

Format	Color
Hex	77B7FF
RGB	119, 183, 255
RGB Percent	47%, 72%, 100%
CMY	0.5331, 0.2824, 0.0001
CMYK	0.53, 0.28, 0.00, 0.00
HSL	212°, 100%, 73%
HSV	212°, 53%, 100%
XYZ	42.5943, 45.0089, 101.0342
YIQ	172.0720, -61.2560, 8.8240

Conversions

Conversions Part 2

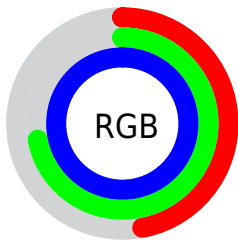
Format	Color
R _Y B	119, 163, 255
Decimal	7845887
CIE Lab	72.90, -0.55, -41.80
CIE LCh	73, 41.806, 269.241
Yxy	45.0089, 0.2258, 0.2386
Android (android.graphics.Color)	4286035967 (0xFF77B7FF)
YUV	172.0720, 40.8835, -46.5441
Hunter-Lab	67.0887, -4.0762, -42.3275

Details

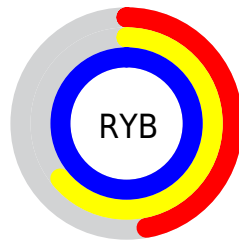
The Yxy color **45.0089, 0.2258, 0.2386** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.8720, 0.4248, 0.4024**, and the grayscale version is **41.1129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4180, 0.2671, 0.3113**, and **20.8547, 0.2036, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **38.1348, 0.2108, 0.2179**, and if you desaturate by 10%, it is **52.9046, 0.2419, 0.2586**.

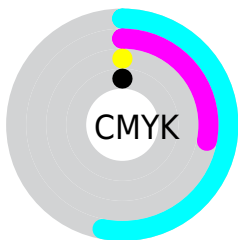
Distribution



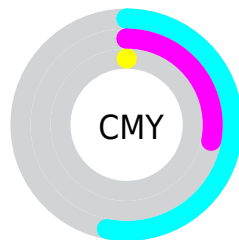
- Red (47%)
- Green (72%)
- Blue (100%)



- Red (47%)
- Yellow (64%)
- Blue (100%)



- Cyan (53%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0089, 0.2258, 0.2386 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 45.0089, 0.2258, 0.2386 by changing the saturation by 10% instead.

 45.0089, 0.2258,
0.2386

 45.0089, 0.2258,
0.2386


366.8096, 0.2677,
0.2823

 31.4644, 0.2160,
0.2284


 82.7338, 0.2406,
0.2540

 20.9528, 0.2039,
0.2157


 107.6830, 0.2462,
0.2599

 13.0895, 0.1886,
0.1997


 137.2025, 0.2511,
0.2650

 7.4902, 0.1688,
0.1790

171.6768, 0.2553,
0.2694

 3.7705, 0.1426,
0.1515

211.4903, 0.2590,
0.2732

 1.5460, 0.1077,
0.1148

257.0273, 0.2623,

 0.3208, 0.0469,

0.2766

0.0516

308.6723, 0.2651,
0.2796

0.0000, 0.0000,
0.0000

45.0089, 0.2258,
0.2386

45.0089, 0.2258,
0.2386

38.1348, 0.2108,
0.2179

52.9046, 0.2419,
0.2586

32.2229, 0.1975,
0.1969

61.8668, 0.2586,
0.2774

27.2133, 0.1864,
0.1764

71.9428, 0.2754,
0.2947

23.0337, 0.1780,
0.1569

83.1754, 0.2918,
0.3105

20.6372, 0.1735,
0.1447

95.6049, 0.3077,
0.3247

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



45.0089, 0.2079, 0.2599



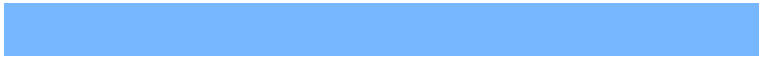
45.0089, 0.2258, 0.2386



45.0089, 0.2659, 0.2394

Triad

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



45.0089, 0.2258, 0.2386



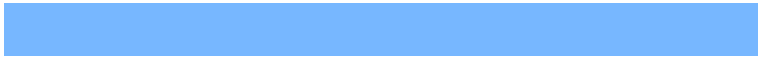
45.0089, 0.4222, 0.3381



45.0089, 0.2946, 0.4165

Complementary

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



45.0089, 0.2258, 0.2386



59.8720, 0.4248, 0.4024

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.



45.0089, 0.3524, 0.4370



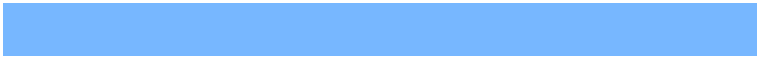
45.0089, 0.2258, 0.2386



45.0089, 0.4290, 0.3835

Square

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



45.0089, 0.2258, 0.2386



45.0089, 0.3817, 0.2943



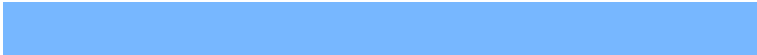
45.0089, 0.4022, 0.4213



45.0089, 0.2445, 0.3637

Rectangle

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



45.0089, 0.2258, 0.2386



45.0089, 0.3026, 0.2509



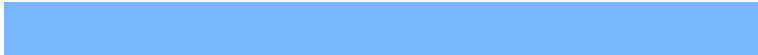
45.0089, 0.4022, 0.4213



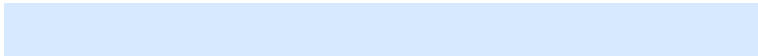
45.0089, 0.3138, 0.4277

Sweetspot

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



45.0105, 0.2258, 0.2386



80.0461, 0.2874, 0.3064



79.1213, 0.2732, 0.4110



16.6316, 0.2841, 0.3032



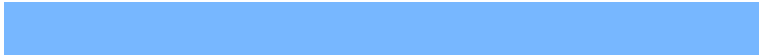
0.0000, 0.0000, 0.0000



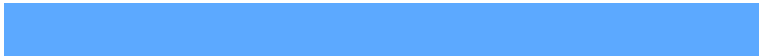
21.4041, 0.3127, 0.3290

Same Dimension

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



45.0105, 0.2258, 0.2386



37.7000, 0.2098, 0.2164



24.5156, 0.2106, 0.1585



18.7867, 0.2979, 0.3161



11.0784, 0.1744, 0.1476



1.2952, 0.1803, 0.1689

Inverse Universe

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



37.8835, 0.3932, 0.2642



31.7280, 0.4187, 0.2546



93.6713, 0.3887, 0.4580



18.1293, 0.3220, 0.3179



11.8463, 0.5090, 0.2578



1.1753, 0.4820, 0.2429

Previews

White Background



This preview shows how the Yxy color 45.0089, 0.2258, 0.2386 looks on a white background.

Color Contrast Check

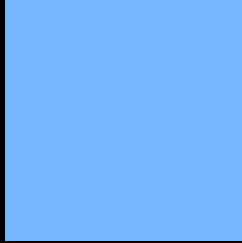
Large Text (above 18pt) WCAG AA × Fail

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 45.0089, 0.2258, 0.2386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

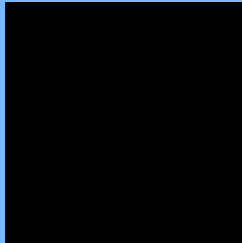
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

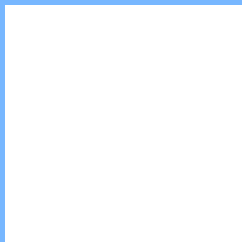
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0089, 0.2258, 0.2386

Background



This preview shows how black text looks on a background with the Yxy color 45.0089, 0.2258, 0.2386.

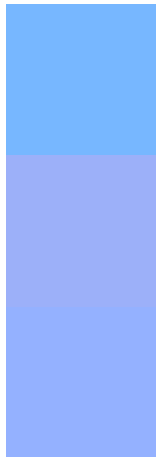


This preview shows how white text looks on a background with the Yxy color 45.0089, 0.2258, 0.2386.

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

45.0089, 0.2258, 0.2386

Protanopia

44.9581, 0.2476, 0.2402

Deuteranopia

44.9602, 0.2397, 0.2344



Tritanopia

45.0290, 0.2430, 0.3074

Trichromacy



Original Color

45.0089, 0.2258, 0.2386

Protanomaly

45.0449, 0.2393, 0.2402

Deuteranomaly

44.7786, 0.2339, 0.2355

Tritanomaly

44.9652, 0.2365, 0.2810

Monochromacy



Original Color

45.0089, 0.2258, 0.2386

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.0872, 0.2743, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0089, 0.2258, 0.2386 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(119, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 183, 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(119, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.0089, 0.2258, 0.2386 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(119, 183, 255) }
```

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

```
.border{ border-color:rgb(119, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0089, 0.2258, 0.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 183, 255) }
```

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

```
.background{ background-color: rgb(119,  
183, 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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