

Converting Colors

$Y_{xy}(45.0382, 0.2362, 0.2439)$

Have a look what the booklet for
Yxy(45.0382, 0.2362, 0.2439)
contains.

Yxy(45.0382, 0.2362, 0.2439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.0382, 0.2362, 0.2439)

Conversions

Conversions Part 1

Format	Color
Hex	87B5F9
RGB	135, 181, 249
RGB Percent	53%, 71%, 98%
CMY	0.4704, 0.2902, 0.0236
CMYK	0.46, 0.27, 0.00, 0.02
HSL	216°, 90%, 75%
HSV	216°, 46%, 98%
XYZ	43.6163, 45.0382, 96.0039
YIQ	174.9980, -49.2440, 11.3960

Conversions

Conversions Part 2

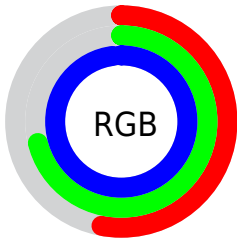
Format	Color
R _Y B	135, 168, 249
Decimal	8893945
CIE _{Lab}	72.92, 2.40, -38.48
CIE _{LCh}	73, 38.551, 273.568
Yxy	45.0382, 0.2362, 0.2439
Android (android.graphics.Color)	4287084025 (0xFF87B5F9)
YUV	174.9980, 36.4830, -35.0782
Hunter-Lab	67.1105, -1.4330, -37.8391

Details

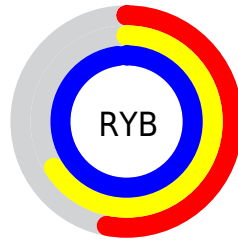
The Yxy color **45.0382, 0.2362, 0.2439** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.6106, 0.4015, 0.4003**, and the grayscale version is **42.6999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9948, 0.2745, 0.3095**, and **20.8219, 0.2160, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **37.4870, 0.2194, 0.2211**, and if you desaturate by 10%, it is **53.7198, 0.2535, 0.2656**.

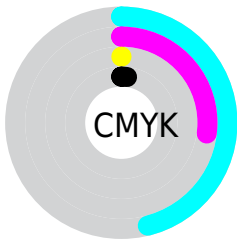
Distribution



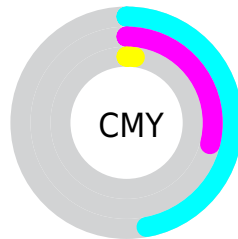
- Red (53%)
- Green (71%)
- Blue (98%)



- Red (53%)
- Yellow (66%)
- Blue (98%)



- Cyan (46%)
- Magenta (27%)
- Yellow (0%)
- Black (2%)




- Cyan (47%)
- Magenta (29%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0382, 0.2362, 0.2439 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 45.0382, 0.2362, 0.2439 by changing the saturation by 10% instead.


 45.0382, 0.2362,
0.2439

 45.0382, 0.2362,
0.2439


366.9282, 0.2734,
0.2850

 31.4875, 0.2274,
0.2342


 82.7777, 0.2494,
0.2584

 20.9704, 0.2164,
0.2222


 107.7354, 0.2545,
0.2640

 13.1023, 0.2023,
0.2070


 137.2641, 0.2588,
0.2688

 7.4991, 0.1839,
0.1871

171.7484, 0.2625,
0.2729

 3.7761, 0.1591,
0.1604

211.5725, 0.2658,
0.2765

 1.5491, 0.1248,
0.1240

257.1209, 0.2686,

 0.3229, 0.0655,

0.2797

0.0579

308.7781, 0.2712,
0.2825

0.0000, 0.0000,
0.0000

45.0382, 0.2362,
0.2439

45.0382, 0.2362,
0.2439

37.4870, 0.2194,
0.2211

53.7198, 0.2535,
0.2656

31.0071, 0.2038,
0.1976

63.5769, 0.2709,
0.2857

25.5402, 0.1901,
0.1744

74.6579, 0.2877,
0.3039

21.0190, 0.1790,
0.1522

87.0066, 0.3039,
0.3204

17.3639, 0.1706,
0.1319

99.6186, 0.3162,
0.3347

■ 16.0355, 0.1678,
0.1240

Harmonies

Analogous

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



45.0382, 0.2163, 0.2610



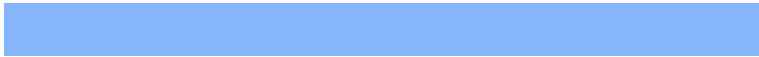
45.0382, 0.2362, 0.2439



45.0382, 0.2764, 0.2472

Triad

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



45.0382, 0.2362, 0.2439



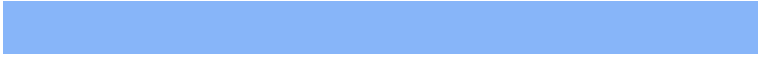
45.0382, 0.4165, 0.3442



45.0382, 0.2889, 0.4034

Complementary

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



45.0382, 0.2362, 0.2439



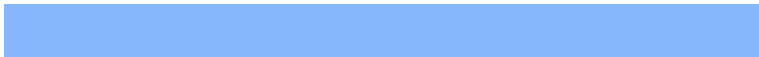
64.6106, 0.4015, 0.4003

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.



45.0382, 0.3424, 0.4277



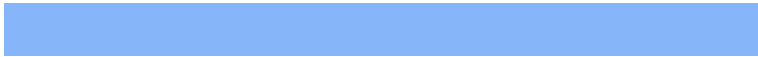
45.0382, 0.2362, 0.2439



45.0382, 0.4184, 0.3860

Square

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



45.0382, 0.2362, 0.2439



45.0382, 0.3832, 0.3026



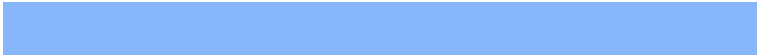
45.0382, 0.3902, 0.4184



45.0382, 0.2443, 0.3530

Rectangle

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



45.0382, 0.2362, 0.2439



45.0382, 0.3115, 0.2595



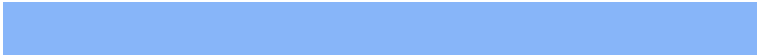
45.0382, 0.3902, 0.4184



45.0382, 0.3064, 0.4153

Sweetspot

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



45.0399, 0.2362, 0.2439



81.0014, 0.2906, 0.3069



77.1371, 0.2735, 0.3872



16.7619, 0.2871, 0.3032



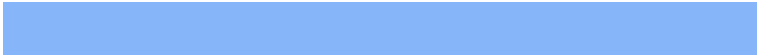
0.0000, 0.0000, 0.0000



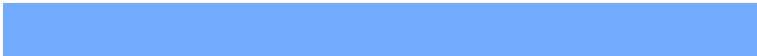
21.4041, 0.3127, 0.3290

Same Dimension

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



45.0399, 0.2362, 0.2439



40.0949, 0.2205, 0.2227



30.1545, 0.2321, 0.1873



17.7923, 0.2979, 0.3145



8.8455, 0.1686, 0.1270



1.0210, 0.1751, 0.1504

Inverse Universe

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



40.8116, 0.3853, 0.2805



36.4170, 0.4085, 0.2718



87.9285, 0.3739, 0.4442



17.3412, 0.3230, 0.3195



11.3039, 0.5368, 0.2731



1.0673, 0.5054, 0.2558

Previews

White Background



This preview shows how the Yxy color 45.0382, 0.2362, 0.2439 looks on a white background.

Color Contrast Check

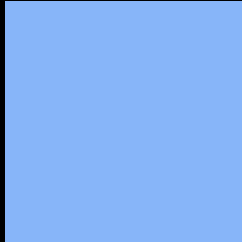
Large Text (above 18pt) WCAG AA × Fail

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 45.0382, 0.2362, 0.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

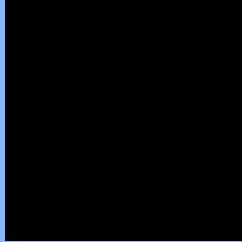
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

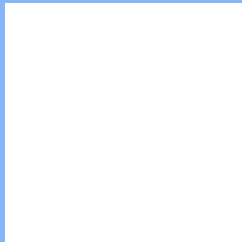
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0382, 0.2362, 0.2439

Background



This preview shows how black text looks on a background with the Yxy color 45.0382, 0.2362, 0.2439.



This preview shows how white text looks on a background with the Yxy color 45.0382, 0.2362, 0.2439.

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

45.0382, 0.2362, 0.2439

Protanopia

44.9123, 0.2511, 0.2446

Deuteranopia

44.7251, 0.2452, 0.2388



Tritanopia

44.9405, 0.2540, 0.3064

Trichromacy



Original Color

45.0382, 0.2362, 0.2439

Protanomaly

44.9786, 0.2458, 0.2450

Deuteranomaly

44.8539, 0.2413, 0.2404

Tritanomaly

44.8503, 0.2472, 0.2817

Monochromacy



Original Color

45.0382, 0.2362, 0.2439

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.1821, 0.2798, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0382, 0.2362, 0.2439 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(135, 181, 249)` looks like.

```
.text, #text, p{  
    color:rgb(135, 181, 249)  
}
```

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(135, 181, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 181, 249) }
```

Border

The CSS property to change the border of an element to Yxy 45.0382, 0.2362, 0.2439 is called "border". The border property can be set on classes, ids or directly on the HTML element.

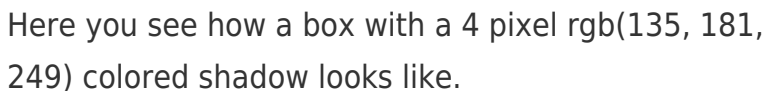
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 181, 249) }
```

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

```
.border{ border-color:rgb(135, 181, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 181, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 181, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 181, 249);  
box-shadow:4px 4px 4px 4px rgb(135, 181,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0382, 0.2362, 0.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 181, 249) }
```

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

```
.background{ background-color: rgb(135,  
181, 249) }
```

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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