

Converting Colors

$Yxy(44.3239, 0.2397, 0.2556)$

Have a look what the booklet for
Yxy(44.3239, 0.2397, 0.2556)
contains.

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Color

Yxy(44.5345, 0.2402, 0.2567)

Conversions

Conversions Part 1

Format	Color
Hex	84B6EE
RGB	132, 182, 238
RGB Percent	52%, 71%, 93%
CMY	0.4824, 0.2862, 0.0667
CMYK	0.45, 0.24, 0.00, 0.07
HSL	212°, 76%, 73%
HSV	212°, 45%, 93%
XYZ	41.6719, 44.5345, 87.2821
YIQ	173.4340, -47.7760, 6.8160

Conversions

Conversions Part 2

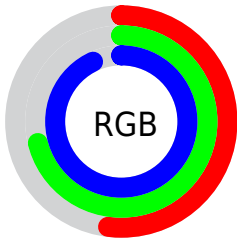
Format	Color
RYB	132, 166, 238
Decimal	8697582
CIELab	72.58, -1.99, -33.06
CIELCh	73, 33.116, 266.563
Yxy	44.5345, 0.2402, 0.2567
Android (android.graphics.Color)	4286887662 (0xFF84B6EE)
YUV	173.4340, 31.8310, -36.3376
Hunter-Lab	66.7342, -5.3211, -30.8319

Details

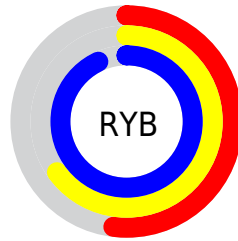
The Yxy color **44.5345, 0.2402, 0.2567** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.7898, 0.4021, 0.3908**, and the grayscale version is **41.8732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1879, 0.2730, 0.3105**, and **20.5738, 0.2207, 0.2365** is the 20% darker color. If you saturate the color by 10%, you get **37.9128, 0.2242, 0.2368**, and if you desaturate by 10%, it is **52.0591, 0.2568, 0.2755**.

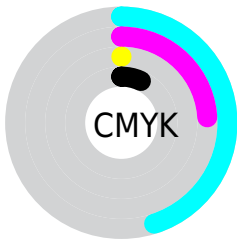
Distribution



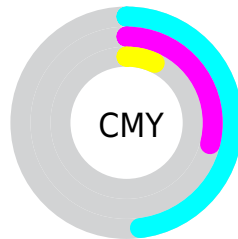
- Red (52%)
- Green (71%)
- Blue (93%)



- Red (52%)
- Yellow (65%)
- Blue (93%)



- Cyan (45%)
- Magenta (24%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (29%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5345, 0.2402, 0.2567 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 44.5345, 0.2402, 0.2567 by changing the saturation by 10% instead.

■ 44.5345, 0.2402,
0.2567

■ 44.5345, 0.2402,
0.2567

364.8850, 0.2756,
0.2923

■ 31.0909, 0.2317,
0.2481

■ 82.0214, 0.2528,
0.2694

■ 20.6681, 0.2211,
0.2374

■ 106.8336, 0.2576,
0.2742

■ 12.8816, 0.2075,
0.2235

■ 136.2041, 0.2617,
0.2784

■ 7.3471, 0.1894,
0.2050

170.5172, 0.2653,
0.2819

■ 3.6801, 0.1646,
0.1796

210.1575, 0.2684,
0.2850

■ 1.4963, 0.1296,
0.1432

255.5093, 0.2711,

■ 0.2861, 0.0524,

0.2877

0.0671

306.9570, 0.2735,
0.2901

0.0000, 0.0000,
0.0000

44.5345, 0.2402,
0.2567

44.5345, 0.2402,
0.2567

37.9128, 0.2242,
0.2368

52.0591, 0.2568,
0.2755

32.1467, 0.2095,
0.2161

60.5206, 0.2735,
0.2929

27.1913, 0.1964,
0.1953

69.9569, 0.2899,
0.3088

22.9941, 0.1857,
0.1750

80.4021, 0.3058,
0.3230

19.4930, 0.1775,
0.1557

91.8886, 0.3208,
0.3357

■ 17.8316, 0.1738,
0.1458

■ 98.9526, 0.3226,
0.3454

Harmonies

Analogous

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



44.5345, 0.2271, 0.2767



44.5345, 0.2402, 0.2567



44.5345, 0.2719, 0.2552

Triad

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



44.5345, 0.2402, 0.2567



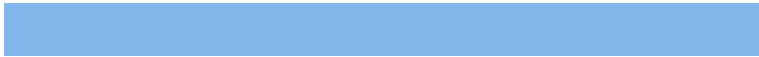
44.5345, 0.3976, 0.3343



44.5345, 0.3032, 0.3997

Complementary

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



44.5345, 0.2402, 0.2567



55.7898, 0.4021, 0.3908

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.



44.5345, 0.3496, 0.4142



44.5345, 0.2402, 0.2567



44.5345, 0.4062, 0.3715

Square

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



44.5345, 0.2402, 0.2567



44.5345, 0.3638, 0.2984



44.5345, 0.3878, 0.4017



44.5345, 0.2614, 0.3608

Rectangle

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



44.5345, 0.2402, 0.2567



44.5345, 0.3009, 0.2636



44.5345, 0.3878, 0.4017



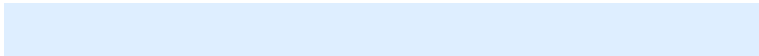
44.5345, 0.3188, 0.4077

Sweetspot

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



44.5362, 0.2402, 0.2567



83.5813, 0.2923, 0.3110



69.6255, 0.2780, 0.3947



17.3366, 0.2887, 0.3077



0.0000, 0.0000, 0.0000



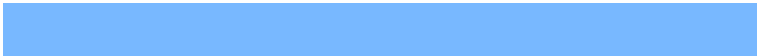
21.4041, 0.3127, 0.3290

Same Dimension

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



44.5362, 0.2402, 0.2567



45.3312, 0.2263, 0.2395



27.7158, 0.2298, 0.1903



16.4590, 0.2980, 0.3162



10.2037, 0.1746, 0.1486



1.0466, 0.1815, 0.1732

Inverse Universe

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



38.0496, 0.3741, 0.2740



38.1022, 0.3922, 0.2643



80.6816, 0.3776, 0.4389



15.8831, 0.3219, 0.3179



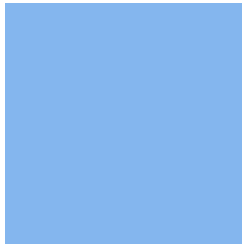
10.8234, 0.5077, 0.2571



0.9204, 0.4767, 0.2400

Previews

White Background



This preview shows how the Yxy color 44.5345, 0.2402, 0.2567 looks on a white background.

Color Contrast Check

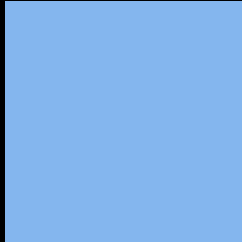
Large Text (above 18pt) WCAG AA × Fail

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 44.5345, 0.2402, 0.2567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

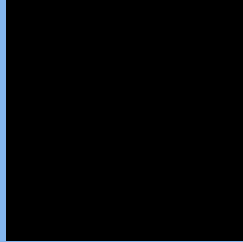
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

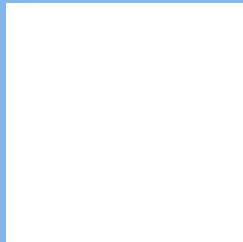
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5345, 0.2402, 0.2567

Background



This preview shows how black text looks on a background with the Yxy color 44.5345, 0.2402, 0.2567.



This preview shows how white text looks on a background with the Yxy color 44.5345, 0.2402, 0.2567.

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

44.5345, 0.2402, 0.2567

Protanopia

44.2245, 0.2606, 0.2565

Deuteranopia

44.4248, 0.2551, 0.2488



Tritanopia

44.4158, 0.2549, 0.3077

Trichromacy



Original Color

44.5345, 0.2402, 0.2567

Protanomaly

44.4183, 0.2525, 0.2568

Deuteranomaly

44.5568, 0.2496, 0.2523

Tritanomaly

44.5113, 0.2494, 0.2879

Monochromacy



Original Color

44.5345, 0.2402, 0.2567

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.3510, 0.2817, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5345, 0.2402, 0.2567 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(132, 182, 238)` looks like.

```
.text, #text, p{  
    color:rgb(132, 182, 238)  
}
```

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(132, 182, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 182, 238) }
```

Border

The CSS property to change the border of an element to Yxy 44.5345, 0.2402, 0.2567 is called "border". The border property can be set on classes, ids or directly on the HTML element.

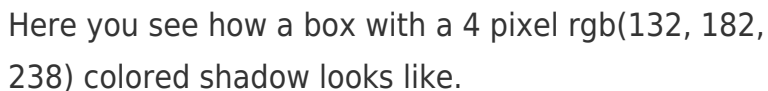
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(132, 182, 238) }
```

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

```
.border{ border-color:rgb(132, 182, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(132, 182, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 182, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 182, 238); box-shadow:4px 4px 4px 4px rgb(132, 182, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5345, 0.2402, 0.2567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 182, 238) }
```

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

```
.background{ background-color: rgb(132,  
182, 238) }
```

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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