

Converting Colors

$Yxy(45.2654, 0.2515, 0.2844)$

Have a look what the booklet for
Yxy(45.2654, 0.2515, 0.2844)
contains.

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Color

Yxy(45.2188, 0.2519, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	85BADB
RGB	133, 186, 219
RGB Percent	52%, 73%, 86%
CMY	0.4783, 0.2706, 0.1411
CMYK	0.39, 0.15, 0.00, 0.14
HSL	203°, 54%, 69%
HSV	203°, 39%, 86%
XYZ	40.0232, 45.2188, 73.6434
YIQ	173.9150, -42.1810, -0.9730

Conversions

Conversions Part 2

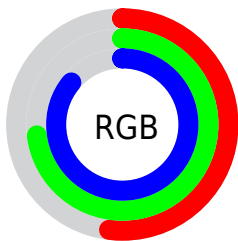
Format	Color
RYB	133, 166, 219
Decimal	8764123
CIELab	73.04, -9.01, -22.05
CIElCh	73, 23.817, 247.778
Yxy	45.2188, 0.2519, 0.2846
Android (android.graphics.Color)	4286954203 (0xFF85BADB)
YUV	173.9150, 22.2269, -35.8825
Hunter-Lab	67.2449, -11.4379, -17.8601

Details

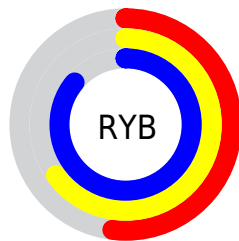
The Yxy color **45.2188, 0.2519, 0.2846** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.0493, 0.3946, 0.3690**, and the grayscale version is **42.1866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5431, 0.2734, 0.3149**, and **21.1177, 0.2358, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **40.1791, 0.2373, 0.2709**, and if you desaturate by 10%, it is **50.8423, 0.2672, 0.2974**.

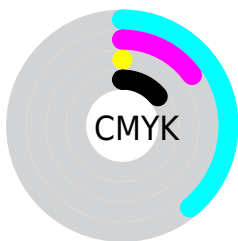
Distribution



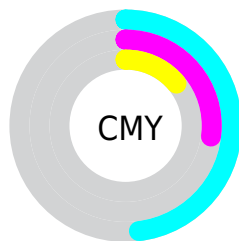
- Red (52%)
- Green (73%)
- Blue (86%)



- Red (52%)
- Yellow (65%)
- Blue (86%)



- Cyan (39%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (48%)
- Magenta (27%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2188, 0.2519, 0.2846 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 45.2188, 0.2519, 0.2846 by changing the saturation by 10% instead.

■ 45.2188, 0.2519,
0.2846

■ 45.2188, 0.2519,
0.2846

367.6590, 0.2817,
0.3071

■ 31.6298, 0.2447,
0.2790

■ 83.0486, 0.2626,
0.2928

■ 21.0789, 0.2355,
0.2718

■ 108.0583, 0.2666,
0.2959

■ 13.1817, 0.2237,
0.2622

■ 137.6436, 0.2701,
0.2984

■ 7.5538, 0.2077,
0.2490

172.1890, 0.2731,
0.3007

■ 3.8108, 0.1851,
0.2297

212.0788, 0.2757,
0.3026

■ 1.5683, 0.1515,
0.1995

257.6975, 0.2779,

■ 0.3361, 0.0371,

0.3043

0.1252

309.4294, 0.2800,
0.3057

0.0000, 0.0000,
0.0000

45.2188, 0.2519,
0.2846

45.2188, 0.2519,
0.2846

40.1791, 0.2373,
0.2709

50.8423, 0.2672,
0.2974

35.6911, 0.2239,
0.2566

57.0690, 0.2828,
0.3092

31.7270, 0.2120,
0.2418

63.9238, 0.2985,
0.3200

28.2536, 0.2021,
0.2268

71.4283, 0.3138,
0.3297

25.2321, 0.1942,
0.2120

79.6030, 0.3288,
0.3384

■ 22.6017, 0.1883,
0.1976

■ 86.6313, 0.3365,
0.3464

■ 22.4158, 0.1879,
0.1965

■ 91.6019, 0.3353,
0.3545

■ 96.8038, 0.3342,
0.3625

■ 97.8951, 0.3339,
0.3641

Harmonies

Analogous

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



45.2188, 0.2517, 0.3080



45.2188, 0.2519, 0.2846



45.2188, 0.2673, 0.2742

Triad

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



45.2188, 0.2519, 0.2846



45.2188, 0.3599, 0.3166



45.2188, 0.3278, 0.3874

Complementary

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



45.2188, 0.2519, 0.2846



44.0493, 0.3946, 0.3690

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.



45.2188, 0.3583, 0.3866



45.2188, 0.2519, 0.2846



45.2188, 0.3778, 0.3443

Square

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



45.2188, 0.2519, 0.2846



45.2188, 0.3290, 0.2928



45.2188, 0.3770, 0.3700



45.2188, 0.2943, 0.3698

Rectangle

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



45.2188, 0.2519, 0.2846



45.2188, 0.2847, 0.2750



45.2188, 0.3770, 0.3700



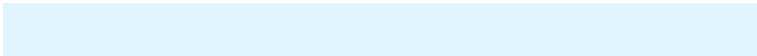
45.2188, 0.3387, 0.3892

Sweetspot

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



45.2205, 0.2519, 0.2846



87.3813, 0.2940, 0.3170



58.4117, 0.2880, 0.4016



18.4266, 0.2920, 0.3156



0.0000, 0.0000, 0.0000



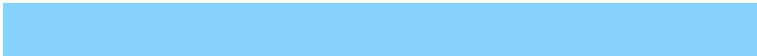
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2205, 0.2519, 0.2846



57.9710, 0.2400, 0.2735



29.7708, 0.2426, 0.2236



13.9459, 0.2982, 0.3198



13.5080, 0.1885, 0.1987



1.0400, 0.1951, 0.2222

Inverse Universe

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



35.3928, 0.3502, 0.2667



43.2319, 0.3612, 0.2542



62.3481, 0.3753, 0.4160



13.1857, 0.3196, 0.3147



9.9874, 0.4468, 0.2235



0.6637, 0.4209, 0.2092

Previews

White Background



This preview shows how the Yxy color 45.2188, 0.2519, 0.2846 looks on a white background.

Color Contrast Check

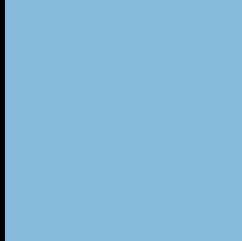
Large Text (above 18pt) WCAG AA × Fail

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 45.2188, 0.2519, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

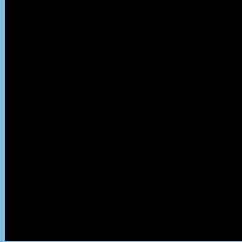
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2188, 0.2519, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 45.2188, 0.2519, 0.2846.



This preview shows how white text looks on a background with the Yxy color 45.2188, 0.2519, 0.2846.

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

45.2188, 0.2519, 0.2846

Protanopia

44.9063, 0.2806, 0.2830

Deuteranopia

44.8791, 0.2772, 0.2714



Tritanopia

45.4220, 0.2587, 0.3080

Trichromacy



Original Color

45.2188, 0.2519, 0.2846

Protanomaly

44.7169, 0.2691, 0.2832

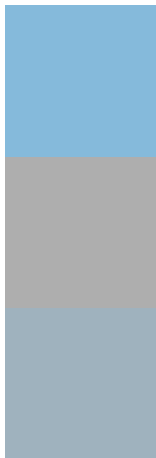
Deuteranomaly

44.7784, 0.2672, 0.2761

Tritanomaly

45.3157, 0.2562, 0.3000

Monochromacy



Original Color

45.2188, 0.2519, 0.2846

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.9294, 0.2877, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2188, 0.2519, 0.2846 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(133, 186, 219)` looks like.

```
.text, #text, p{  
    color:rgb(133, 186, 219)  
}
```

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(133, 186, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 186, 219) }
```

Border

The CSS property to change the border of an element to Yxy 45.2188, 0.2519, 0.2846 is called "border". The border property can be set on classes, ids or directly on the HTML element.

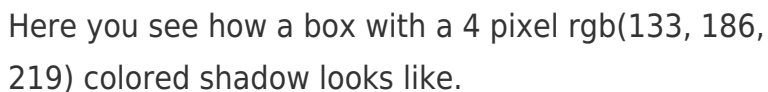
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 186, 219) }
```

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

```
.border{ border-color:rgb(133, 186, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 186, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 186, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 186, 219); box-shadow:4px 4px 4px 4px rgb(133, 186, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2188, 0.2519, 0.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 186, 219) }
```

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

```
.background{ background-color: rgb(133,  
186, 219) }
```

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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