

Converting Colors

$Yxy(44.9011, 0.2583, 0.2806)$

Have a look what the booklet for
Yxy(44.9011, 0.2583, 0.2806)
contains.

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Color

Yxy(45.0012, 0.2589, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	91B7DB
RGB	145, 183, 219
RGB Percent	57%, 72%, 86%
CMY	0.4311, 0.2824, 0.1412
CMYK	0.34, 0.16, 0.00, 0.14
HSL	209°, 51%, 71%
HSV	209°, 34%, 86%
XYZ	41.4030, 45.0012, 73.5148
YIQ	175.7420, -34.2040, 3.1400

Conversions

Conversions Part 2

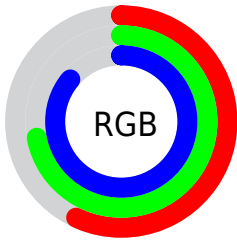
Format	Color
R _Y B	145, 170, 219
Decimal	9549787
CIE Lab	72.89, -4.13, -22.19
CIE LCh	73, 22.574, 259.450
Yxy	45.0012, 0.2589, 0.2814
Android (android.graphics.Color)	4287739867 (0xFF91B7DB)
YUV	175.7420, 21.3262, -26.9607
Hunter-Lab	67.0829, -7.2264, -18.0166

Details

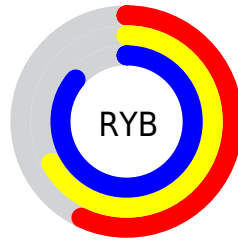
The Yxy color **45.0012, 0.2589, 0.2814** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.1763, 0.3772, 0.3721**, and the grayscale version is **43.1812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3705, 0.2799, 0.3120**, and **20.9209, 0.2443, 0.2676** is the 20% darker color. If you saturate the color by 10%, you get **38.9673, 0.2428, 0.2644**, and if you desaturate by 10%, it is **51.7554, 0.2752, 0.2972**.

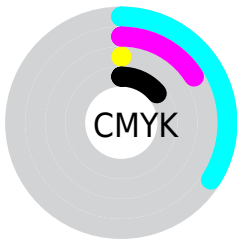
Distribution



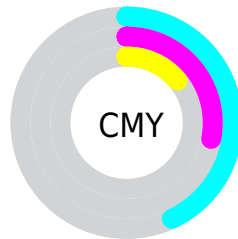
- Red (57%)
- Green (72%)
- Blue (86%)



- Red (57%)
- Yellow (67%)
- Blue (86%)



- Cyan (34%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)



- Cyan (43%)
- Magenta (28%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0012, 0.2589, 0.2814 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 45.0012, 0.2589, 0.2814 by changing the saturation by 10% instead.

■ 45.0012, 0.2589,
0.2814

■ 45.0012, 0.2589,
0.2814

■ 366.7784, 0.2855,
0.3052

■ 31.4584, 0.2524,
0.2755

■ 82.7222, 0.2684,
0.2900

■ 20.9481, 0.2442,
0.2680

■ 107.6692, 0.2721,
0.2933

■ 13.0861, 0.2335,
0.2581

■ 137.1863, 0.2751,
0.2960

■ 7.4879, 0.2189,
0.2445

■ 171.6580, 0.2778,
0.2984

■ 3.7690, 0.1982,
0.2248

■ 211.4687, 0.2801,
0.3004

■ 1.5452, 0.1669,
0.1943

■ 257.0027, 0.2821,

■ 0.3202, 0.0737,

0.3022

0.1161

308.6445, 0.2839,
0.3038

0.0000, 0.0000,
0.0000

45.0012, 0.2589,
0.2814

45.0012, 0.2589,
0.2814

38.9673, 0.2428,
0.2644

51.7554, 0.2752,
0.2972

33.6190, 0.2274,
0.2462

59.2519, 0.2913,
0.3115

28.9260, 0.2131,
0.2274

67.5185, 0.3070,
0.3245

24.8532, 0.2005,
0.2083

76.5795, 0.3220,
0.3360

21.3607, 0.1900,
0.1894

86.4580, 0.3362,
0.3463

■ 18.4016, 0.1820,
0.1712

■ 92.8777, 0.3350,
0.3565

■ 16.7819, 0.1779,
0.1603

■ 97.8940, 0.3340,
0.3641

Harmonies

Analogous

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



45.0012, 0.2529, 0.2992



45.0012, 0.2589, 0.2814



45.0012, 0.2786, 0.2766

Triad

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



45.0012, 0.2589, 0.2814



45.0012, 0.3660, 0.3274



45.0012, 0.3146, 0.3797

Complementary

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



45.0012, 0.2589, 0.2814



50.1763, 0.3772, 0.3721

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.



45.0012, 0.3457, 0.3860



45.0012, 0.2589, 0.2814



45.0012, 0.3764, 0.3538

Square

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



45.0012, 0.2589, 0.2814



45.0012, 0.3405, 0.3026



45.0012, 0.3686, 0.3756



45.0012, 0.2840, 0.3574

Rectangle

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



45.0012, 0.2589, 0.2814



45.0012, 0.2977, 0.2805



45.0012, 0.3686, 0.3756



45.0012, 0.3253, 0.3838

Sweetspot

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



45.0030, 0.2589, 0.2814



87.8126, 0.2971, 0.3165



60.0112, 0.2867, 0.3795



18.4483, 0.2949, 0.3146



0.0000, 0.0000, 0.0000



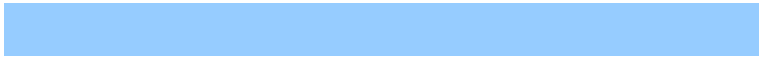
21.4041, 0.3127, 0.3290

Same Dimension

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



45.0030, 0.2589, 0.2814



56.9766, 0.2466, 0.2686



31.7870, 0.2523, 0.2305



13.7165, 0.2982, 0.3173



10.1721, 0.1786, 0.1629



0.8314, 0.1866, 0.1919

Inverse Universe

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



38.7463, 0.3511, 0.2841



47.5807, 0.3633, 0.2738



67.1226, 0.3638, 0.4115



13.1625, 0.3212, 0.3171



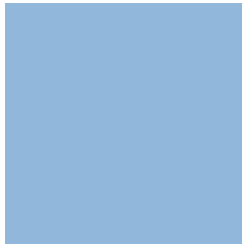
9.6506, 0.4894, 0.2470



0.6426, 0.4546, 0.2278

Previews

White Background



This preview shows how the Yxy color 45.0012, 0.2589, 0.2814 looks on a white background.

Color Contrast Check

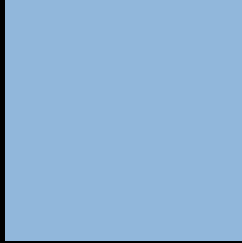
Large Text (above 18pt) WCAG AA × Fail

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 45.0012, 0.2589, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

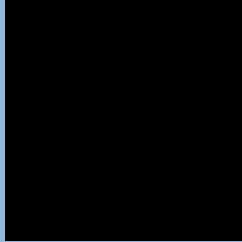
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

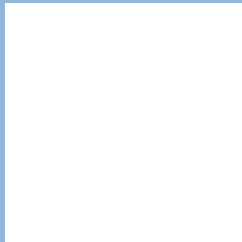
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0012, 0.2589, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 45.0012, 0.2589, 0.2814.



This preview shows how white text looks on a background with the Yxy color 45.0012, 0.2589, 0.2814.

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

45.0012, 0.2589, 0.2814

Protanopia

44.8966, 0.2784, 0.2805

Deuteranopia

44.8791, 0.2772, 0.2714



Tritanopia

44.9976, 0.2678, 0.3083

Trichromacy



Original Color

45.0012, 0.2589, 0.2814

Protanomaly

44.7751, 0.2712, 0.2810

Deuteranomaly

44.7946, 0.2700, 0.2752

Tritanomaly

45.0028, 0.2639, 0.2977

Monochromacy



Original Color

45.0012, 0.2589, 0.2814

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.0453, 0.2910, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0012, 0.2589, 0.2814 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(145, 183, 219)` looks like.

```
.text, #text, p{  
    color:rgb(145, 183, 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(145, 183, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 183, 219) }
```

Border

The CSS property to change the border of an element to Yxy 45.0012, 0.2589, 0.2814 is called "border". The border property can be set on classes, ids or directly on the HTML element.

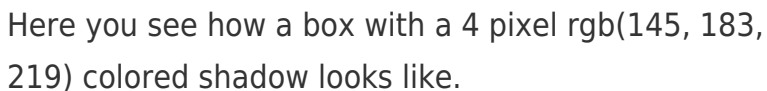
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 183, 219) }
```

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

```
.border{ border-color:rgb(145, 183, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 183, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 183, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 183, 219); box-shadow:4px 4px 4px 4px rgb(145, 183, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0012, 0.2589, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 183, 219) }
```

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

```
.background{ background-color: rgb(145,  
183, 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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