

Converting Colors

$Yxy(45.8629, 0.2624, 0.2705)$

Have a look what the booklet for
Yxy(45.8629, 0.2624, 0.2705)
contains.

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Color

Yxy(45.8629, 0.2624, 0.2705)

Conversions

Conversions Part 1

Format	Color
Hex	9EB5E3
RGB	158, 181, 227
RGB Percent	62%, 71%, 89%
CMY	0.3804, 0.2902, 0.1097
CMYK	0.30, 0.20, 0.00, 0.11
HSL	220°, 55%, 75%
HSV	220°, 30%, 89%
XYZ	44.4896, 45.8629, 79.1962
YIQ	179.3670, -28.4740, 9.4300

Conversions

Conversions Part 2

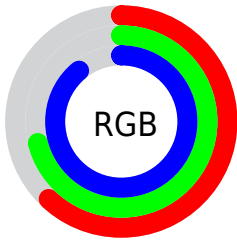
Format	Color
R _Y B	158, 175, 227
Decimal	10401251
CIE Lab	73.46, 2.63, -25.63
CIE LCh	73, 25.763, 275.860
Yxy	45.8629, 0.2624, 0.2705
Android (android.graphics.Color)	4288591331 (0xFF9EB5E3)
YUV	179.3670, 23.4831, -18.7389
Hunter-Lab	67.7222, -1.2495, -21.9299

Details

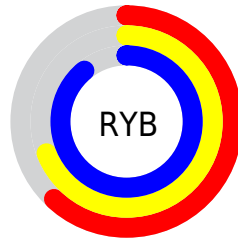
The Yxy color **45.8629, 0.2624, 0.2705** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.9908, 0.3656, 0.3812**, and the grayscale version is **45.1690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0845, 0.2875, 0.3102**, and **21.3819, 0.2493, 0.2551** is the 20% darker color. If you saturate the color by 10%, you get **37.9477, 0.2444, 0.2472**, and if you desaturate by 10%, it is **54.8755, 0.2799, 0.2919**.

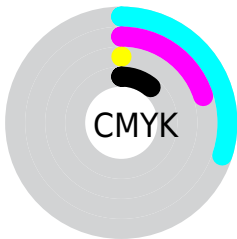
Distribution



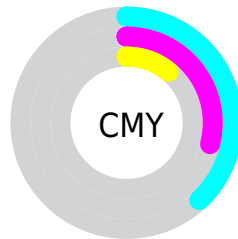
- Red (62%)
- Green (71%)
- Blue (89%)



- Red (62%)
- Yellow (69%)
- Blue (89%)



- Cyan (30%)
- Magenta (20%)
- Yellow (0%)
- Black (11%)



- Cyan (38%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8629, 0.2624, 0.2705 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 45.8629, 0.2624, 0.2705 by changing the saturation by 10% instead.

■ 45.8629, 0.2624,
0.2705

■ 45.8629, 0.2624,
0.2705

370.2572, 0.2873,
0.2992

■ 32.1376, 0.2563,
0.2636

■ 84.0138, 0.2713,
0.2808

■ 21.4667, 0.2487,
0.2548

■ 109.2082, 0.2747,
0.2846

■ 13.4655, 0.2386,
0.2435

138.9944, 0.2776,
0.2880

■ 7.7499, 0.2251,
0.2282

173.7569, 0.2801,
0.2908

■ 3.9353, 0.2058,
0.2068

213.8801, 0.2822,
0.2933

■ 1.6375, 0.1767,
0.1748

259.7482, 0.2841,

■ 0.3827, 0.1179,

0.2955

0.1054

311.7458, 0.2858,
0.2974

0.0000, 0.0000,
0.0000

45.8629, 0.2624,
0.2705

45.8629, 0.2624,
0.2705

37.9477, 0.2444,
0.2472

54.8755, 0.2799,
0.2919

31.0796, 0.2265,
0.2224

65.0219, 0.2965,
0.3112

25.2125, 0.2093,
0.1967

76.3436, 0.3121,
0.3283

20.2939, 0.1936,
0.1710

88.8781, 0.3265,
0.3435

16.2659, 0.1802,
0.1465

98.3273, 0.3291,
0.3562

■ 13.0626, 0.1698,
0.1242

■ 10.6740, 0.1627,
0.1057

Harmonies

Analogous

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



45.8629, 0.2470, 0.2824



45.8629, 0.2624, 0.2705



45.8629, 0.2914, 0.2732

Triad

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



45.8629, 0.2624, 0.2705



45.8629, 0.3822, 0.3433



45.8629, 0.2950, 0.3749

Complementary

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



45.8629, 0.2624, 0.2705



61.9908, 0.3656, 0.3812

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.



45.8629, 0.3311, 0.3926



45.8629, 0.2624, 0.2705



45.8629, 0.3826, 0.3713

Square

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



45.8629, 0.2624, 0.2705



45.8629, 0.3617, 0.3138



45.8629, 0.3634, 0.3903



45.8629, 0.2649, 0.3426

Rectangle

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



45.8629, 0.2624, 0.2705



45.8629, 0.3154, 0.2824



45.8629, 0.3634, 0.3903



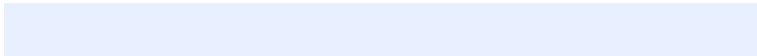
45.8629, 0.3068, 0.3829

Sweetspot

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



45.8647, 0.2624, 0.2705



86.5290, 0.2987, 0.3136



66.5234, 0.2824, 0.3589



18.0802, 0.2964, 0.3110



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.



45.8647, 0.2624, 0.2705



53.5257, 0.2520, 0.2572



38.3590, 0.2669, 0.2420



14.6684, 0.2981, 0.3129



6.4156, 0.1634, 0.1084



0.6400, 0.1716, 0.1376

Inverse Universe

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



44.1202, 0.3582, 0.3025



51.4119, 0.3705, 0.2972



72.1195, 0.3507, 0.4068



14.4469, 0.3240, 0.3212



9.8454, 0.5634, 0.2877



0.7443, 0.5223, 0.2651

Previews

White Background



This preview shows how the Yxy color 45.8629, 0.2624, 0.2705 looks on a white background.

Color Contrast Check

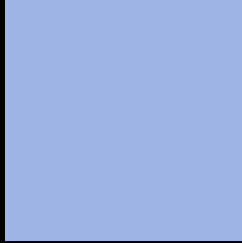
Large Text (above 18pt) WCAG AA × Fail

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 45.8629, 0.2624, 0.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

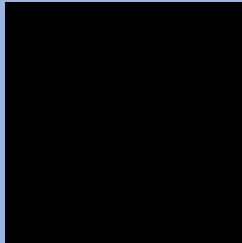
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8629, 0.2624, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 45.8629, 0.2624, 0.2705.



This preview shows how white text looks on a background with the Yxy color 45.8629, 0.2624, 0.2705.

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

45.8629, 0.2624, 0.2705

Protanopia

45.7120, 0.2711, 0.2701

Deuteranopia

45.9300, 0.2719, 0.2660



Tritanopia

46.0103, 0.2754, 0.3087

Trichromacy



Original Color

45.8629, 0.2624, 0.2705

Protanomaly

45.7305, 0.2677, 0.2698

Deuteranomaly

45.7671, 0.2684, 0.2666

Tritanomaly

45.8041, 0.2707, 0.2946

Monochromacy



Original Color

45.8629, 0.2624, 0.2705

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2860, 0.2929, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8629, 0.2624, 0.2705 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(158, 181, 227)` looks like.

```
.text, #text, p{  
    color:rgb(158, 181, 227)  
}
```

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(158, 181, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 181, 227) }
```

Border

The CSS property to change the border of an element to Yxy 45.8629, 0.2624, 0.2705 is called "border". The border property can be set on classes, ids or directly on the HTML element.

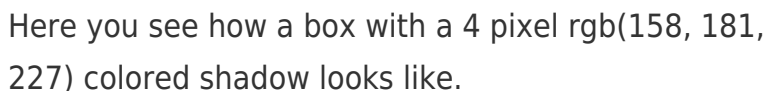
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 181, 227) }
```

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

```
.border{ border-color:rgb(158, 181, 227) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 181, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 181, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 181, 227); box-shadow:4px 4px 4px 4px rgb(158, 181, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8629, 0.2624, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 181, 227) }
```

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

```
.background{ background-color: rgb(158,  
181, 227) }
```

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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