

Converting Colors

$Y_{xy}(45.0401, 0.2727, 0.2885)$

Have a look what the booklet for
Yxy(45.0401, 0.2727, 0.2885)
contains.

Yxy(45.1721, 0.2726, 0.2884)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.1721, 0.2726, 0.2884)

Conversions

Conversions Part 1

Format	Color
Hex	9FB5D4
RGB	159, 181, 212
RGB Percent	62%, 71%, 83%
CMY	0.3767, 0.2901, 0.1686
CMYK	0.25, 0.15, 0.00, 0.17
HSL	215°, 38%, 73%
HSV	215°, 25%, 83%
XYZ	42.6973, 45.1721, 68.7606
YIQ	177.9560, -23.0630, 4.9770

Conversions

Conversions Part 2

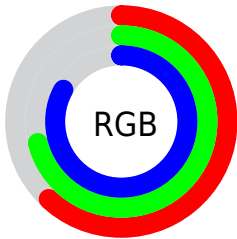
Format	Color
R _Y B	159, 175, 212
Decimal	10466772
CIE Lab	73.01, -0.71, -18.13
CIE LCh	73, 18.146, 267.763
Yxy	45.1721, 0.2726, 0.2884
Android (android.graphics.Color)	4288656852 (0xFF9FB5D4)
YUV	177.9560, 16.7837, -16.6244
Hunter-Lab	67.2102, -4.2202, -13.6106

Details

The Yxy color **45.1721, 0.2726, 0.2884** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.2968, 0.3562, 0.3665**, and the grayscale version is **44.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0845, 0.2875, 0.3102**, and **20.9368, 0.2613, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **38.3761, 0.2556, 0.2691**, and if you desaturate by 10%, it is **52.7909, 0.2892, 0.3060**.

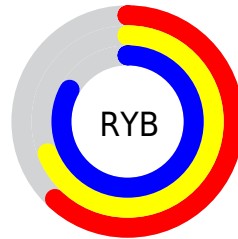
Distribution



Red (62%)

Green (71%)

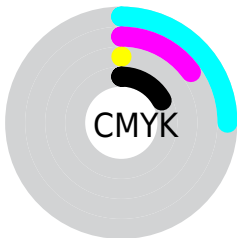
Blue (83%)



Red (62%)

Yellow (69%)

Blue (83%)

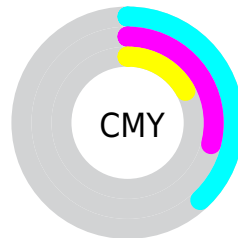


Cyan (25%)

Magenta (15%)

Yellow (0%)

Black (17%)



Cyan (38%)

Magenta (29%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1721, 0.2726, 0.2884 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 45.1721, 0.2726, 0.2884 by changing the saturation by 10% instead.

■ 45.1721, 0.2726,
0.2884

■ 45.1721, 0.2726,
0.2884

■ 367.4701, 0.2925,
0.3086

■ 31.5930, 0.2677,
0.2834

■ 82.9786, 0.2798,
0.2957

■ 21.0508, 0.2614,
0.2770

■ 107.9748, 0.2825,
0.2985

■ 13.1612, 0.2531,
0.2686

■ 137.5455, 0.2848,
0.3008

■ 7.5396, 0.2418,
0.2569

■ 172.0751, 0.2868,
0.3028

■ 3.8018, 0.2252,
0.2400

■ 211.9479, 0.2885,
0.3046

■ 1.5633, 0.1993,
0.2133

■ 257.5485, 0.2900,

■ 0.3327, 0.1232,

0.3061

0.1371

309.2611, 0.2914,
0.3074

■ 0.0000, 0.0000,
0.0000

■ 45.1721, 0.2726,
0.2884

■ 45.1721, 0.2726,
0.2884

■ 38.3761, 0.2556,
0.2691

■ 52.7909, 0.2892,
0.3060

■ 32.3669, 0.2385,
0.2483

■ 61.2558, 0.3051,
0.3217

■ 27.1136, 0.2219,
0.2263

■ 70.5959, 0.3200,
0.3358

■ 22.5808, 0.2065,
0.2036

■ 80.8372, 0.3340,
0.3481

■ 18.7296, 0.1928,
0.1809

■ 90.0690, 0.3401,
0.3597

■ 15.5163, 0.1814,
0.1590

■ 97.5339, 0.3382,
0.3711

■ 12.8899, 0.1728,
0.1388

■ 11.7658, 0.1693,
0.1294

Harmonies

Analogous

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



45.1721, 0.2644, 0.3003



45.1721, 0.2726, 0.2884



45.1721, 0.2914, 0.2872

Triad

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



45.1721, 0.2726, 0.2884



45.1721, 0.3591, 0.3341



45.1721, 0.3073, 0.3654

Complementary

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



45.1721, 0.2726, 0.2884



53.2968, 0.3562, 0.3665

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.



45.1721, 0.3329, 0.3745



45.1721, 0.2726, 0.2884



45.1721, 0.3635, 0.3549

Square

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



45.1721, 0.2726, 0.2884



45.1721, 0.3416, 0.3129



45.1721, 0.3537, 0.3700



45.1721, 0.2839, 0.3453

Rectangle

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



45.1721, 0.2726, 0.2884



45.1721, 0.3078, 0.2921



45.1721, 0.3537, 0.3700



45.1721, 0.3159, 0.3699

Sweetspot

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



45.1739, 0.2726, 0.2884



88.9672, 0.3003, 0.3171



58.1692, 0.2896, 0.3576



18.6193, 0.2979, 0.3147



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.



45.1739, 0.2726, 0.2884



62.9980, 0.2636, 0.2784



37.3552, 0.2735, 0.2590



12.8490, 0.2982, 0.3150



7.4507, 0.1700, 0.1320



0.6107, 0.1795, 0.1663

Inverse Universe

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



42.1114, 0.3437, 0.3023



57.9695, 0.3523, 0.2963



62.9421, 0.3467, 0.3919



12.5056, 0.3227, 0.3193



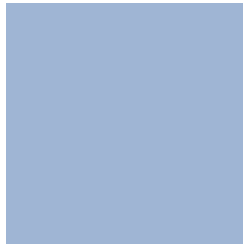
9.0970, 0.5299, 0.2693



0.5650, 0.4852, 0.2447

Previews

White Background



This preview shows how the Yxy color 45.1721, 0.2726, 0.2884 looks on a white background.

Color Contrast Check

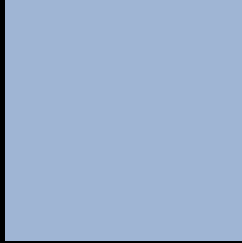
Large Text (above 18pt) WCAG AA × Fail

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 45.1721, 0.2726, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

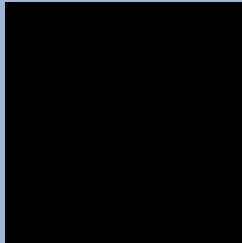
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

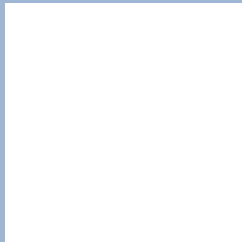
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1721, 0.2726, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 45.1721, 0.2726, 0.2884.



This preview shows how white text looks on a background with the Yxy color 45.1721, 0.2726, 0.2884.

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

45.1721, 0.2726, 0.2884

Protanopia

44.9817, 0.2842, 0.2867

Deuteranopia

45.0477, 0.2867, 0.2812



Tritanopia

45.0121, 0.2801, 0.3087

Trichromacy



Original Color

45.1721, 0.2726, 0.2884

Protanomaly

44.8688, 0.2797, 0.2864

Deuteranomaly

45.0190, 0.2813, 0.2831

Tritanomaly

44.9358, 0.2773, 0.3009

Monochromacy



Original Color

45.1721, 0.2726, 0.2884

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.6158, 0.2974, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1721, 0.2726, 0.2884 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(159, 181, 212)` looks like.

```
.text, #text, p{  
    color:rgb(159, 181, 212)  
}
```

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(159, 181, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 181, 212) }
```

Border

The CSS property to change the border of an element to Yxy 45.1721, 0.2726, 0.2884 is called "border". The border property can be set on classes, ids or directly on the HTML element.

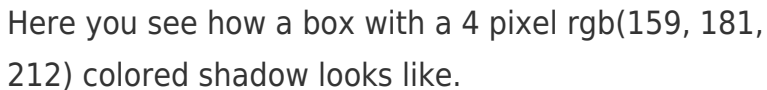
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 181, 212) }
```

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

```
.border{ border-color:rgb(159, 181, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 181, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 181, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 181, 212); box-shadow:4px 4px 4px 4px rgb(159, 181, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1721, 0.2726, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 181, 212) }
```

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

```
.background{ background-color: rgb(159,  
181, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor