

Converting Colors

$Y_{xy}(51.0729, 0.2648, 0.2670)$

Have a look what the booklet for
Yxy(51.0729, 0.2648, 0.2670)
contains.

Yxy(50.9156, 0.2644, 0.2665)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.9156, 0.2644, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	ABBCF0
RGB	171, 188, 240
RGB Percent	67%, 74%, 94%
CMY	0.3293, 0.2628, 0.0587
CMYK	0.29, 0.22, 0.00, 0.06
HSL	225°, 70%, 81%
HSV	225°, 29%, 94%
XYZ	50.5144, 50.9156, 89.6229
YIQ	188.8450, -26.8240, 12.5680

Conversions

Conversions Part 2

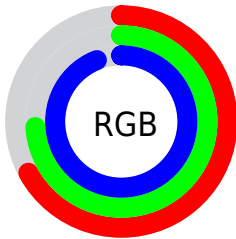
Format	Color
RYB	171, 185, 240
Decimal	11255024
CIELab	76.63, 5.75, -27.73
CIElCh	77, 28.321, 281.712
Yxy	50.9156, 0.2644, 0.2665
Android (android.graphics.Color)	4289445104 (0xFFABBCF0)
YUV	188.8450, 25.2194, -15.6501
Hunter-Lab	71.3552, 1.4938, -24.5203

Details

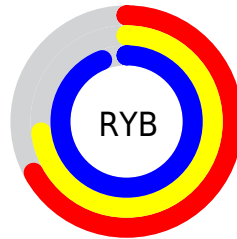
The Yxy color **50.9156, 0.2644, 0.2665** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.2852, 0.3608, 0.3845**, and the grayscale version is **50.6651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2523, 0.2956, 0.3179**, and **24.5705, 0.2515, 0.2507** is the 20% darker color. If you saturate the color by 10%, you get **41.2063, 0.2456, 0.2402**, and if you desaturate by 10%, it is **62.0886, 0.2824, 0.2906**.

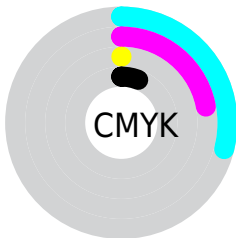
Distribution



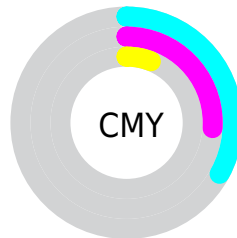
- Red (67%)
- Green (74%)
- Blue (94%)



- Red (67%)
- Yellow (73%)
- Blue (94%)



- Cyan (29%)
- Magenta (22%)
- Yellow (0%)
- Black (6%)



- Cyan (33%)
- Magenta (26%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9156, 0.2644, 0.2665 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 50.9156, 0.2644, 0.2665 by changing the saturation by 10% instead.

■ 50.9156, 0.2644,
0.2665

■ 50.9156, 0.2644,
0.2665

■ 390.2358, 0.2879,
0.2964

■ 36.1414, 0.2588,
0.2595

■ 91.5300, 0.2728,
0.2770

■ 24.5435, 0.2517,
0.2507

■ 118.1390, 0.2760,
0.2811

■ 15.7372, 0.2426,
0.2396

■ 149.4618, 0.2787,
0.2845

■ 9.3384, 0.2304,
0.2248

■ 185.8828, 0.2810,
0.2875

■ 4.9626, 0.2133,
0.2046

■ 227.7862, 0.2831,
0.2902

■ 2.2253, 0.1882,
0.1756

■ 275.5566, 0.2849,

■ 0.7337, 0.1491,

0.2925

0.1306

329.5783, 0.2865,
0.2945

0.0000, 0.0000,
0.0000

50.9156, 0.2644,
0.2665

50.9156, 0.2644,
0.2665

41.2063, 0.2456,
0.2402

62.0886, 0.2824,
0.2906

32.8924, 0.2265,
0.2123

74.7778, 0.2992,
0.3121

25.9089, 0.2080,
0.1835

89.0402, 0.3146,
0.3313

20.1830, 0.1909,
0.1552

99.0728, 0.3214,
0.3434

15.6341, 0.1764,
0.1288

■ 12.1713, 0.1653,
0.1059

■ 9.6781, 0.1579,
0.0876

■ 9.4195, 0.1571,
0.0856

Harmonies

Analogous

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



50.9156, 0.2451, 0.2759



50.9156, 0.2644, 0.2665



50.9156, 0.2972, 0.2723

Triad

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



50.9156, 0.2644, 0.2665



50.9156, 0.3884, 0.3501



50.9156, 0.2869, 0.3720

Complementary

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



50.9156, 0.2644, 0.2665



74.2852, 0.3608, 0.3845

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.



50.9156, 0.3245, 0.3947



50.9156, 0.2644, 0.2665



50.9156, 0.3844, 0.3786

Square

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



50.9156, 0.2644, 0.2665



50.9156, 0.3705, 0.3187



50.9156, 0.3605, 0.3961



50.9156, 0.2573, 0.3360

Rectangle

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



50.9156, 0.2644, 0.2665



50.9156, 0.3232, 0.2835



50.9156, 0.3605, 0.3961



50.9156, 0.2990, 0.3817

Sweetspot

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



50.9176, 0.2644, 0.2665



85.3529, 0.2987, 0.3116



76.3135, 0.2801, 0.3489



17.7920, 0.2963, 0.3086



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.



50.9176, 0.2644, 0.2665



52.2347, 0.2544, 0.2527



46.1601, 0.2749, 0.2482



15.8597, 0.2980, 0.3106



5.3299, 0.1578, 0.0880



0.5949, 0.1646, 0.1125

Inverse Universe

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



51.3001, 0.3607, 0.3105



53.0767, 0.3732, 0.3069



80.9302, 0.3438, 0.4039



15.8225, 0.3255, 0.3232



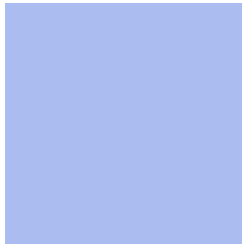
10.3314, 0.5942, 0.3047



0.8748, 0.5574, 0.2844

Previews

White Background



This preview shows how the Yxy color 50.9156, 0.2644, 0.2665 looks on a white background.

Color Contrast Check

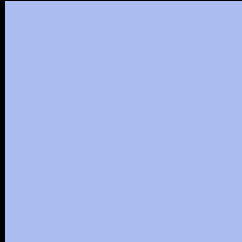
Large Text (above 18pt) WCAG AA × Fail

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 50.9156, 0.2644, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

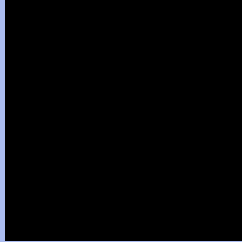
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

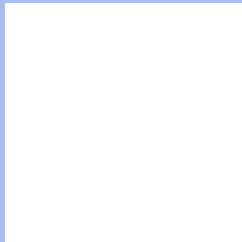
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9156, 0.2644, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 50.9156, 0.2644, 0.2665.



This preview shows how white text looks on a background with the Yxy color 50.9156, 0.2644, 0.2665.

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

50.9156, 0.2644, 0.2665

Protanopia

51.0027, 0.2683, 0.2669

Deuteranopia

50.7521, 0.2696, 0.2629



Tritanopia

51.1864, 0.2803, 0.3097

Trichromacy



Original Color

50.9156, 0.2644, 0.2665

Protanomaly

50.7713, 0.2669, 0.2667

Deuteranomaly

50.8158, 0.2676, 0.2637

Tritanomaly

51.0821, 0.2744, 0.2938

Monochromacy



Original Color

50.9156, 0.2644, 0.2665

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.8943, 0.2932, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9156, 0.2644, 0.2665 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(171, 188, 240)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 240)  
}
```

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(171, 188, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 240) }
```

Border

The CSS property to change the border of an element to Yxy 50.9156, 0.2644, 0.2665 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(171, 188, 240) }
```

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

```
.border{ border-color:rgb(171, 188, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 240);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9156, 0.2644, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 240) }
```

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

```
.background{ background-color: rgb(171,  
188, 240) }
```

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