

Converting Colors

$Y_{xy}(45.9545, 0.2607, 0.2564)$

Have a look what the booklet for
Yxy(45.9545, 0.2607, 0.2564)
contains.

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Color

Yxy(45.9545, 0.2607, 0.2564)

Conversions

Conversions Part 1

Format	Color
Hex	A5B2ED
RGB	165, 178, 237
RGB Percent	65%, 70%, 93%
CMY	0.3530, 0.3020, 0.0705
CMYK	0.30, 0.25, 0.00, 0.07
HSL	229°, 67%, 79%
HSV	229°, 30%, 93%
XYZ	46.7252, 45.9545, 86.5500
YIQ	180.8390, -26.6870, 15.5930

Conversions

Conversions Part 2

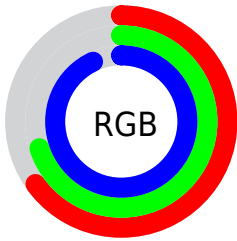
Format	Color
RYB	165, 176, 237
Decimal	10859245
CIELab	73.52, 8.77, -30.93
CIElCh	74, 32.149, 285.832
Yxy	45.9545, 0.2607, 0.2564
Android (android.graphics.Color)	4289049325 (0xFFA5B2ED)
YUV	180.8390, 27.6874, -13.8908
Hunter-Lab	67.7897, 4.4020, -28.2452

Details

The Yxy color `45.9545, 0.2607, 0.2564` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `74.0482, 0.3624, 0.3924`, and the grayscale version is `45.9762, 0.3127, 0.3290`.

A 20% lighter version of the original color is `81.4378, 0.2917, 0.3073`, and `21.6374, 0.2465, 0.2385` is the 20% darker color. If you saturate the color by 10%, you get `36.4562, 0.2412, 0.2275`, and if you desaturate by 10%, it is `57.0216, 0.2793, 0.2830`.

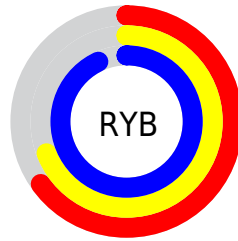
Distribution



Red (65%)

Green (70%)

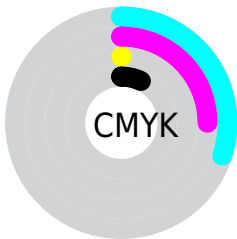
Blue (93%)



Red (65%)

Yellow (69%)

Blue (93%)

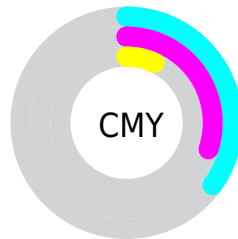


Cyan (30%)

Magenta (25%)

Yellow (0%)

Black (7%)



Cyan (35%)

Magenta (30%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9545, 0.2607, 0.2564 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 45.9545, 0.2607, 0.2564 by changing the saturation by 10% instead.

■ 45.9545, 0.2607,
0.2564

■ 45.9545, 0.2607,
0.2564

370.6257, 0.2865,
0.2914

■ 32.2099, 0.2544,
0.2481

■ 84.1509, 0.2700,
0.2688

■ 21.5219, 0.2465,
0.2378

■ 109.3715, 0.2735,
0.2735

■ 13.5060, 0.2362,
0.2247

139.1862, 0.2764,
0.2776

■ 7.7779, 0.2223,
0.2072

173.9795, 0.2790,
0.2811

■ 3.9532, 0.2027,
0.1834

214.1357, 0.2812,
0.2841

■ 1.6474, 0.1736,
0.1496

260.0392, 0.2832,

■ 0.3892, 0.1259,

0.2868

0.0839

312.0744, 0.2849,
0.2892

0.0000, 0.0000,
0.0000

45.9545, 0.2607,
0.2564

45.9545, 0.2607,
0.2564

36.4562, 0.2412,
0.2275

57.0216, 0.2793,
0.2830

28.4496, 0.2214,
0.1971

69.7193, 0.2965,
0.3070

21.8590, 0.2023,
0.1664

84.1124, 0.3121,
0.3282

16.5994, 0.1850,
0.1370

98.8962, 0.3232,
0.3463

12.5767, 0.1707,
0.1108

■ 9.6833, 0.1603,
0.0896

■ 7.8298, 0.1541,
0.0747

Harmonies

Analogous

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



45.9545, 0.2361, 0.2643



45.9545, 0.2607, 0.2564



45.9545, 0.3004, 0.2655

Triad

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



45.9545, 0.2607, 0.2564



45.9545, 0.4027, 0.3577



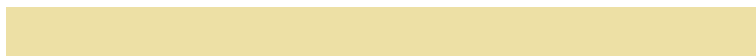
45.9545, 0.2766, 0.3747

Complementary

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



45.9545, 0.2607, 0.2564



74.0482, 0.3624, 0.3924

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.



45.9545, 0.3198, 0.4048



45.9545, 0.2607, 0.2564



45.9545, 0.3940, 0.3901

Square

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



45.9545, 0.2607, 0.2564



45.9545, 0.3850, 0.3214



45.9545, 0.3630, 0.4092



45.9545, 0.2445, 0.3306

Rectangle

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



45.9545, 0.2607, 0.2564



45.9545, 0.3311, 0.2796



45.9545, 0.3630, 0.4092



45.9545, 0.2903, 0.3871

Sweetspot

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



45.9563, 0.2607, 0.2564



84.4872, 0.2987, 0.3100



73.9563, 0.2759, 0.3444



17.5803, 0.2963, 0.3068



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.



45.9563, 0.2607, 0.2564



47.5808, 0.2496, 0.2400



43.6903, 0.2760, 0.2439



14.9888, 0.2980, 0.3091



4.4092, 0.1547, 0.0768



0.4721, 0.1611, 0.1001

Inverse Universe

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



48.1317, 0.3688, 0.3146



50.8117, 0.3840, 0.3118



77.6308, 0.3421, 0.4093



15.0985, 0.3264, 0.3248



9.9379, 0.6121, 0.3146



0.7931, 0.5758, 0.2946

Previews

White Background



This preview shows how the Yxy color 45.9545, 0.2607, 0.2564 looks on a white background.

Color Contrast Check

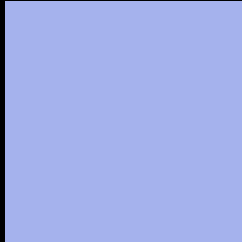
Large Text (above 18pt) WCAG AA × Fail

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 45.9545, 0.2607, 0.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

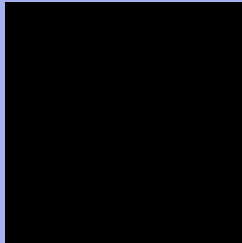
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9545, 0.2607, 0.2564

Background



This preview shows how black text looks on a background with the Yxy color 45.9545, 0.2607, 0.2564.



This preview shows how white text looks on a background with the Yxy color 45.9545, 0.2607, 0.2564.

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

45.9545, 0.2607, 0.2564

Protanopia

45.8477, 0.2600, 0.2563

Deuteranopia

45.7742, 0.2620, 0.2554



Tritanopia

46.0362, 0.2796, 0.3089

Trichromacy



Original Color

45.9545, 0.2607, 0.2564

Protanomaly

45.8477, 0.2600, 0.2563

Deuteranomaly

45.6657, 0.2613, 0.2553

Tritanomaly

45.7336, 0.2728, 0.2886

Monochromacy



Original Color

45.9545, 0.2607, 0.2564

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.9735, 0.2925, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9545, 0.2607, 0.2564 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(165, 178, 237)` looks like.

```
.text, #text, p{  
    color:rgb(165, 178, 237)  
}
```

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(165, 178, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 178, 237) }
```

Border

The CSS property to change the border of an element to Yxy 45.9545, 0.2607, 0.2564 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(165, 178, 237) }
```

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

```
.border{ border-color:rgb(165, 178, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 178, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 178, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 178, 237);  
box-shadow:4px 4px 4px 4px rgb(165, 178,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9545, 0.2607, 0.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 178, 237) }
```

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

```
.background{ background-color: rgb(165,  
178, 237) }
```

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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