

Converting Colors

$Y_{xy}(47.7945, 0.2437, 0.2032)$

Have a look what the booklet for
Yxy(47.7945, 0.2437, 0.2032)
contains.

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Color

Yxy(45.6632, 0.2613, 0.2305)

Conversions

Conversions Part 1

Format	Color
Hex	B7A9FF
RGB	183, 169, 255
RGB Percent	72%, 66%, 100%
CMY	0.2823, 0.3372, 0.0001
CMYK	0.28, 0.34, 0.00, 0.00
HSL	250°, 100%, 83%
HSV	250°, 34%, 100%
XYZ	51.7648, 45.6632, 100.6770
YIQ	182.9900, -19.2620, 29.7140

Conversions

Conversions Part 2

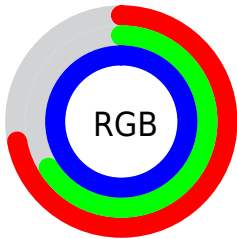
Format	Color
R _Y B	183, 169, 255
Decimal	12036607
CIE Lab	73.33, 23.29, -40.83
CIE LCh	73, 47.010, 299.703
Yxy	45.6632, 0.2613, 0.2305
Android (android.graphics.Color)	4290226687 (0xFFB7A9FF)
YUV	182.9900, 35.5009, 0.0088
Hunter-Lab	67.5746, 18.4827, -41.0319

Details

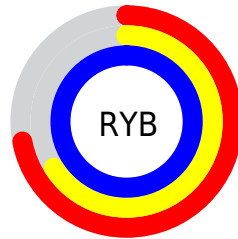
The Yxy color **45.6632, 0.2613, 0.2305** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.0699, 0.3542, 0.4163**, and the grayscale version is **47.1593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0566, 0.3039, 0.2980**, and **21.3890, 0.2470, 0.2075** is the 20% darker color. If you saturate the color by 10%, you get **34.6625, 0.2424, 0.1964**, and if you desaturate by 10%, it is **58.9142, 0.2787, 0.2630**.

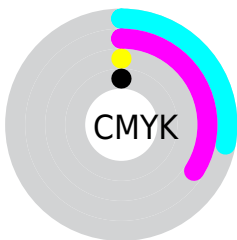
Distribution



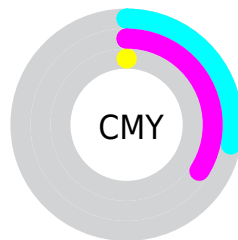
- Red (72%)
- Green (66%)
- Blue (100%)



- Red (72%)
- Yellow (66%)
- Blue (100%)



- Cyan (28%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6632, 0.2613, 0.2305 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 45.6632, 0.2613, 0.2305 by changing the saturation by 10% instead.

 45.6632, 0.2613,
0.2305


 45.6632, 0.2613,
0.2305


369.4529, 0.2871,
0.2763

 31.9801, 0.2550,
0.2201


 83.7147, 0.2706,
0.2463

 21.3463, 0.2470,
0.2075


 108.8520, 0.2741,
0.2525

 13.3774, 0.2366,
0.1917


138.5760, 0.2771,
0.2579

 7.6889, 0.2227,
0.1716

173.2714, 0.2797,
0.2625

 3.8966, 0.2034,
0.1454

213.3223, 0.2819,
0.2666

 1.6159, 0.1752,
0.1110

259.1133, 0.2839,

 0.3683, 0.1347,

0.2702

0.0538

311.0287, 0.2856,
0.2734

0.0000, 0.0000,
0.0000

45.6632, 0.2613,
0.2305

45.6632, 0.2613,
0.2305

34.6625, 0.2424,
0.1964

58.9142, 0.2787,
0.2630

25.7809, 0.2228,
0.1623

74.5261, 0.2944,
0.2929

18.8819, 0.2035,
0.1301

92.6085, 0.3081,
0.3198

13.8106, 0.1858,
0.1025

99.9988, 0.3127,
0.3290

10.3886, 0.1712,
0.0814

■ 8.4003, 0.1605,
0.0681

■ 7.7012, 0.1559,
0.0632

Harmonies

Analogous

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



45.6632, 0.2171, 0.2288



45.6632, 0.2613, 0.2305



45.6632, 0.3244, 0.2527

Triad

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



45.6632, 0.2613, 0.2305



45.6632, 0.4421, 0.3888



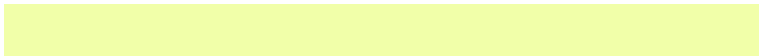
45.6632, 0.2358, 0.3667

Complementary

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



45.6632, 0.2613, 0.2305



93.0699, 0.3542, 0.4163

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.



45.6632, 0.2908, 0.4274



45.6632, 0.2613, 0.2305



45.6632, 0.4109, 0.4315

Square

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



45.6632, 0.2613, 0.2305



45.6632, 0.4357, 0.3388



45.6632, 0.3550, 0.4504



45.6632, 0.2033, 0.2994

Rectangle

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



45.6632, 0.2613, 0.2305



45.6632, 0.3697, 0.2768



45.6632, 0.3550, 0.4504



45.6632, 0.2522, 0.3895

Sweetspot

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



45.6650, 0.2613, 0.2305



80.9695, 0.2997, 0.3032



79.2093, 0.2629, 0.3146



16.8019, 0.2977, 0.2994



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.



45.6650, 0.2613, 0.2305



38.5055, 0.2496, 0.2092



51.5865, 0.2928, 0.2388



17.5198, 0.3004, 0.3046



4.0662, 0.1569, 0.0638



0.4343, 0.1658, 0.0687

Inverse Universe

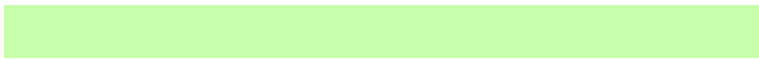
The Inverse Universe completely reimagines the original color for something new.



55.9839, 0.3278, 0.2574



50.2383, 0.3312, 0.2443



86.5284, 0.3263, 0.4247



18.2466, 0.3163, 0.3093



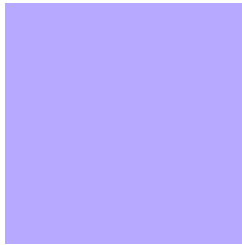
13.6504, 0.3670, 0.1796



1.3421, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 45.6632, 0.2613, 0.2305 looks on a white background.

Color Contrast Check

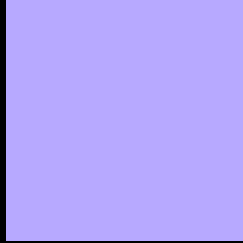
Large Text (above 18pt) WCAG AA × Fail

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 45.6632, 0.2613, 0.2305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

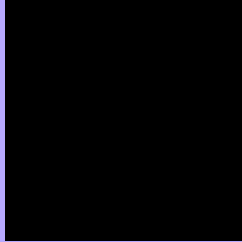
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6632, 0.2613, 0.2305

Background



This preview shows how black text looks on a background with the Yxy color 45.6632, 0.2613, 0.2305.



This preview shows how white text looks on a background with the Yxy color 45.6632, 0.2613, 0.2305.

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

45.6632, 0.2613, 0.2305

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.8027, 0.2446, 0.2385



Tritanopia

45.6458, 0.2937, 0.3106

Trichromacy



Original Color

45.6632, 0.2613, 0.2305

Protanomaly

45.4914, 0.2497, 0.2333

Deuteranomaly

45.8150, 0.2505, 0.2354

Tritanomaly

45.5680, 0.2809, 0.2787

Monochromacy



Original Color

45.6632, 0.2613, 0.2305

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.5115, 0.2929, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6632, 0.2613, 0.2305 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(183, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 169, 255)  
}
```

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(183, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.6632, 0.2613, 0.2305 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(183, 169, 255) }
```

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

```
.border{ border-color:rgb(183, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6632, 0.2613, 0.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 169, 255) }
```

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

```
.background{ background-color: rgb(183,  
169, 255) }
```

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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