

Converting Colors

$Y_{xy}(45.7025, 0.2530, 0.2179)$

Have a look what the booklet for
Yxy(45.7025, 0.2530, 0.2179)
contains.

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Color

Yxy(45.0490, 0.2597, 0.2289)

Conversions

Conversions Part 1

Format	Color
Hex	B5A8FF
RGB	181, 168, 255
RGB Percent	71%, 66%, 100%
CMY	0.2903, 0.3412, 0.0000
CMYK	0.29, 0.34, 0.00, 0.00
HSL	249°, 100%, 83%
HSV	249°, 34%, 100%
XYZ	51.1106, 45.0490, 100.6468
YIQ	181.8050, -20.1790, 29.8130

Conversions

Conversions Part 2

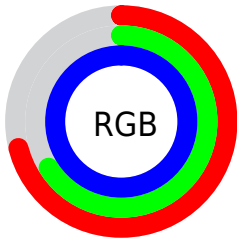
Format	Color
R_{YB}	181, 168, 255
Decimal	11905279
CIE _{Lab}	72.92, 23.30, -41.51
CIE _{LCh}	73, 47.600, 299.308
Yxy	45.0490, 0.2597, 0.2289
Android (android.graphics.Color)	4290095359 (0xFFB5A8FF)
YUV	181.8050, 36.0851, -0.7060
Hunter-Lab	67.1186, 18.4699, -41.9246

Details

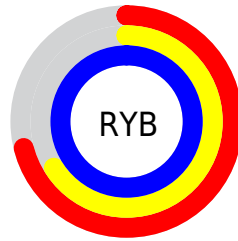
The Yxy color $45.0490, 0.2597, 0.2289$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $93.2282, 0.3554, 0.4171$, and the grayscale version is $46.4732, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1725, 0.3026, 0.2968$, and $21.0036, 0.2450, 0.2055$ is the 20% darker color. If you saturate the color by 10%, you get $34.1162, 0.2405, 0.1947$, and if you desaturate by 10%, it is $58.2339, 0.2775, 0.2616$.

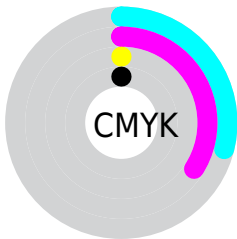
Distribution



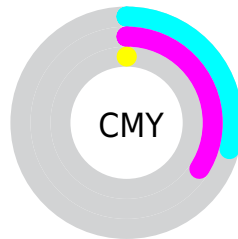
- Red (71%)
- Green (66%)
- Blue (100%)



- Red (71%)
- Yellow (66%)
- Blue (100%)



- Cyan (29%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0490, 0.2597, 0.2289 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 45.0490, 0.2597, 0.2289 by changing the saturation by 10% instead.


 45.0490, 0.2597,
0.2289

 45.0490, 0.2597,
0.2289


366.9720, 0.2863,
0.2755

 31.4960, 0.2532,
0.2184


 82.7939, 0.2693,
0.2450

 20.9768, 0.2449,
0.2055


 107.7547, 0.2729,
0.2513

 13.1071, 0.2343,
0.1894


137.2868, 0.2760,
0.2567

 7.5023, 0.2199,
0.1690

171.7747, 0.2787,
0.2615

 3.7782, 0.2000,
0.1424

211.6028, 0.2810,
0.2656

 1.5503, 0.1711,
0.1077

257.1554, 0.2830,


 0.3237, 0.1300,

0.2693


0.0480


308.8170, 0.2848,
0.2726


 0.0000, 0.0000,
0.0000

 45.0490, 0.2597,
0.2289

 45.0490, 0.2597,
0.2289


 34.1162, 0.2405,
0.1947

 58.2339, 0.2775,
0.2616


 25.3116, 0.2207,
0.1604

 73.7914, 0.2935,
0.2917

 18.4942, 0.2013,
0.1283

 91.8296, 0.3075,
0.3188

 13.5070, 0.1838,
0.1008

 100.0000, 0.3127,
0.3290

 10.1688, 0.1694,
0.0800

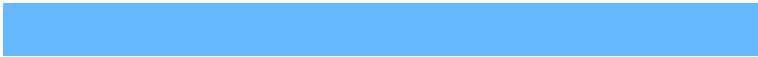
■ 8.2605, 0.1591,
0.0672

■ 7.6329, 0.1551,
0.0628

Harmonies

Analogous

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



45.0490, 0.2152, 0.2275



45.0490, 0.2597, 0.2289



45.0490, 0.3237, 0.2512

Triad

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



45.0490, 0.2597, 0.2289



45.0490, 0.4444, 0.3888



45.0490, 0.2352, 0.3683

Complementary

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



45.0490, 0.2597, 0.2289



93.2282, 0.3554, 0.4171

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.



45.0490, 0.2912, 0.4299



45.0490, 0.2597, 0.2289



45.0490, 0.4130, 0.4326

Square

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



45.0490, 0.2597, 0.2289



45.0490, 0.4374, 0.3381



45.0490, 0.3564, 0.4525



45.0490, 0.2019, 0.2995

Rectangle

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



45.0490, 0.2597, 0.2289



45.0490, 0.3698, 0.2754



45.0490, 0.3564, 0.4525



45.0490, 0.2518, 0.3915

Sweetspot

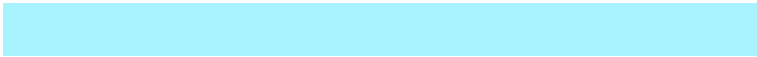
The Sweet Spot groups the original color and five complimentary colors.



45.0478, 0.2597, 0.2289



80.9106, 0.2995, 0.3032



79.8862, 0.2626, 0.3160



16.7878, 0.2975, 0.2993



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.



45.0478, 0.2597, 0.2289



37.2887, 0.2466, 0.2054



50.9303, 0.2913, 0.2373



17.5078, 0.3002, 0.3046



4.0271, 0.1560, 0.0633



0.4287, 0.1645, 0.0680

Inverse Universe

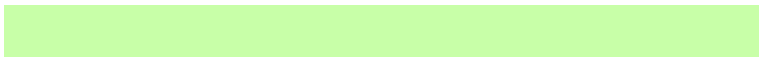
The Inverse Universe completely reimagines the original color for something new.



55.6783, 0.3270, 0.2554



49.4724, 0.3306, 0.2410



86.6131, 0.3274, 0.4256



18.2510, 0.3161, 0.3090



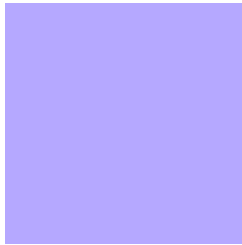
13.7430, 0.3627, 0.1772



1.3502, 0.3572, 0.1741

Previews

White Background



This preview shows how the Yxy color 45.0490, 0.2597, 0.2289 looks on a white background.

Color Contrast Check

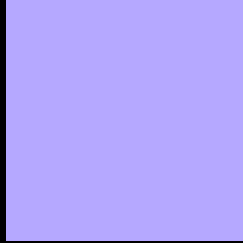
Large Text (above 18pt) WCAG AA × Fail

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 45.0490, 0.2597, 0.2289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

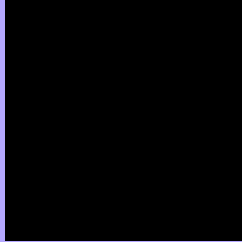
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0490, 0.2597, 0.2289

Background



This preview shows how black text looks on a background with the Yxy color 45.0490, 0.2597, 0.2289.



This preview shows how white text looks on a background with the Yxy color 45.0490, 0.2597, 0.2289.

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

45.0490, 0.2597, 0.2289

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

45.2115, 0.2432, 0.2369



Tritanopia

44.9726, 0.2928, 0.3104

Trichromacy



Original Color

45.0490, 0.2597, 0.2289

Protanomaly

44.9997, 0.2489, 0.2319

Deuteranomaly

45.2144, 0.2490, 0.2339

Tritanomaly

44.8928, 0.2799, 0.2783

Monochromacy



Original Color

45.0490, 0.2597, 0.2289

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.9928, 0.2921, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0490, 0.2597, 0.2289 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(181, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 168, 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(181, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.0490, 0.2597, 0.2289 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(181, 168, 255) }
```

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

```
.border{ border-color:rgb(181, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0490, 0.2597, 0.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 168, 255) }
```

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

```
.background{ background-color: rgb(181,  
168, 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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