

Converting Colors

$Yxy(45.0807, 0.2878, 0.2449)$

Have a look what the booklet for
Yxy(45.0807, 0.2878, 0.2449)
contains.

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Color

Yxy(45.0053, 0.2881, 0.2446)

Conversions

Conversions Part 1

Format	Color
Hex	CBA3ED
RGB	203, 163, 237
RGB Percent	80%, 64%, 93%
CMY	0.2039, 0.3608, 0.0708
CMYK	0.14, 0.31, 0.00, 0.07
HSL	272°, 67%, 78%
HSV	272°, 31%, 93%
XYZ	53.0091, 45.0053, 85.9811
YIQ	183.3960, 0.0860, 31.4940

Conversions

Conversions Part 2

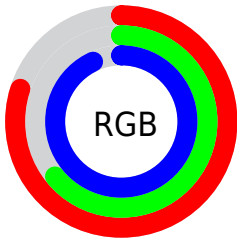
Format	Color
R_{YB}	203, 163, 237
Decimal	13345773
CIE _{Lab}	72.90, 28.40, -31.59
CIE _{LCh}	73, 42.480, 311.951
Yxy	45.0053, 0.2881, 0.2446
Android (android.graphics.Color)	4291535853 (0xFFCBA3ED)
YUV	183.3960, 26.4268, 17.1927
Hunter-Lab	67.0860, 23.6442, -29.0291

Details

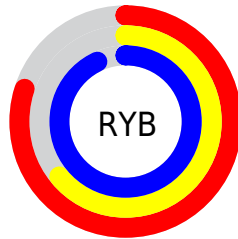
The Yxy color $45.0053, 0.2881, 0.2446$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $75.0526, 0.3310, 0.4148$, and the grayscale version is $47.4359, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $21.0010, 0.2802, 0.2243$ is the 20% darker color. If you saturate the color by 10%, you get $35.8917, 0.2778, 0.2152$, and if you desaturate by 10%, it is $55.8062, 0.2973, 0.2734$.

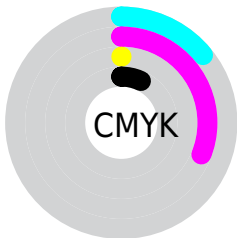
Distribution



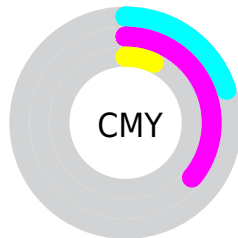
- Red (80%)
- Green (64%)
- Blue (93%)



- Red (80%)
- Yellow (64%)
- Blue (93%)



- Cyan (14%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)




- Cyan (20%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0053, 0.2881, 0.2446 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 45.0053, 0.2881, 0.2446 by changing the saturation by 10% instead.


 45.0053, 0.2881,
0.2446


 45.0053, 0.2881,
0.2446


366.7950, 0.3011,
0.2842

 31.4616, 0.2847,
0.2355


 82.7284, 0.2929,
0.2584

 20.9506, 0.2803,
0.2243


 107.6765, 0.2947,
0.2638

 13.0879, 0.2744,
0.2101


137.1949, 0.2962,
0.2684

 7.4891, 0.2662,
0.1917

171.6680, 0.2975,
0.2724

 3.7698, 0.2539,
0.1670

211.4802, 0.2986,
0.2759

 1.5457, 0.2343,
0.1331

257.0158, 0.2995,


 0.3205, 0.2046,


0.2790


0.0651

308.6593, 0.3004,
0.2818


 0.0000, 0.0000,
0.0000

 45.0053, 0.2881,
0.2446


 45.0053, 0.2881,
0.2446


 35.8917, 0.2778,
0.2152

 55.8062, 0.2973,
0.2734


 28.3694, 0.2664,
0.1862

 68.3723, 0.3052,
0.3007


 22.3411, 0.2543,
0.1589

 82.7833, 0.3120,
0.3261

 17.6961, 0.2419,
0.1348

 97.3191, 0.3179,
0.3467

 14.3077, 0.2297,
0.1152

 98.8920, 0.3232,
0.3464

■ 12.0244, 0.2183,
0.1010

■ 10.7160, 0.2091,
0.0925

Harmonies

Analogous

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



45.0053, 0.2392, 0.2351



45.0053, 0.2881, 0.2446



45.0053, 0.3491, 0.2719

Triad

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



45.0053, 0.2881, 0.2446



45.0053, 0.4230, 0.4021



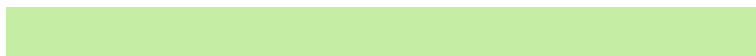
45.0053, 0.2275, 0.3377

Complementary

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



45.0053, 0.2881, 0.2446



75.0526, 0.3310, 0.4148

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.



45.0053, 0.2709, 0.3981



45.0053, 0.2881, 0.2446



45.0053, 0.3841, 0.4333

Square

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



45.0053, 0.2881, 0.2446



45.0053, 0.4314, 0.3579



45.0053, 0.3281, 0.4349



45.0053, 0.2070, 0.2819

Rectangle

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



45.0053, 0.2881, 0.2446



45.0053, 0.3876, 0.2975



45.0053, 0.3281, 0.4349



45.0053, 0.2397, 0.3587

Sweetspot

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



45.0072, 0.2881, 0.2446



84.2779, 0.3068, 0.3064



54.0672, 0.2623, 0.2810



17.5314, 0.3057, 0.3025



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.



45.0072, 0.2881, 0.2446



46.5389, 0.2821, 0.2272



50.1630, 0.3184, 0.2538



14.9503, 0.3065, 0.3053



5.9319, 0.2107, 0.0934



0.5229, 0.2251, 0.1014

Inverse Universe

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



48.2232, 0.3513, 0.2916



50.9852, 0.3614, 0.2843



71.0653, 0.3070, 0.4179



15.1691, 0.3221, 0.3182



10.4560, 0.5129, 0.2599



0.8403, 0.4795, 0.2415

Previews

White Background



This preview shows how the Yxy color 45.0053, 0.2881, 0.2446 looks on a white background.

Color Contrast Check

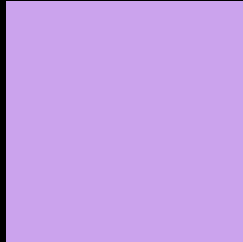
Large Text (above 18pt) WCAG AA × Fail

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 45.0053, 0.2881, 0.2446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

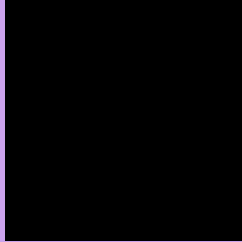
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0053, 0.2881, 0.2446

Background



This preview shows how black text looks on a background with the Yxy color 45.0053, 0.2881, 0.2446.



This preview shows how white text looks on a background with the Yxy color 45.0053, 0.2881, 0.2446.

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

45.0053, 0.2881, 0.2446

Protanopia

45.4288, 0.2501, 0.2438

Deuteranopia

45.2067, 0.2637, 0.2574



Tritanopia

45.0344, 0.3215, 0.3126

Trichromacy



Original Color

45.0053, 0.2881, 0.2446

Protanomaly

44.9748, 0.2626, 0.2440

Deuteranomaly

44.8273, 0.2719, 0.2520

Tritanomaly

44.7895, 0.3086, 0.2850

Monochromacy



Original Color

45.0053, 0.2881, 0.2446

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3096, 0.3032, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0053, 0.2881, 0.2446 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(203, 163, 237)` looks like.

```
.text, #text, p{  
    color:rgb(203, 163, 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(203, 163, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 163, 237) }
```

Border

The CSS property to change the border of an element to Yxy 45.0053, 0.2881, 0.2446 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(203, 163, 237) }
```

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

```
.border{ border-color:rgb(203, 163, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 163, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 163, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 163, 237);  
box-shadow:4px 4px 4px 4px rgb(203, 163,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0053, 0.2881, 0.2446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 163, 237) }
```

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

```
.background{ background-color: rgb(203,  
163, 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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