

Converting Colors

$Yxy(45.5695, 0.2820, 0.2441)$

Have a look what the booklet for
Yxy(45.5695, 0.2820, 0.2441)
contains.

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Color

Yxy(45.5695, 0.2820, 0.2441)

Conversions

Conversions Part 1

Format	Color
Hex	C6A6F0
RGB	198, 166, 240
RGB Percent	78%, 65%, 94%
CMY	0.2237, 0.3489, 0.0588
CMYK	0.18, 0.31, 0.00, 0.06
HSL	266°, 71%, 80%
HSV	266°, 31%, 94%
XYZ	52.6448, 45.5695, 88.4694
YIQ	184.0040, -4.6820, 29.7980

Conversions

Conversions Part 2

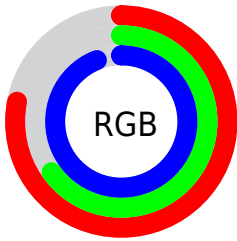
Format	Color
R _{YB}	198, 166, 240
Decimal	13018864
CIE _{Lab}	73.27, 25.86, -32.72
CIE _{LCh}	73, 41.705, 308.317
Yxy	45.5695, 0.2820, 0.2441
Android (android.graphics.Color)	4291208944 (0xFFC6A6F0)
YUV	184.0040, 27.6060, 12.2745
Hunter-Lab	67.5052, 21.0715, -30.4493

Details

The Yxy color $45.5695, 0.2820, 0.2441$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $78.5043, 0.3365, 0.4122$, and the grayscale version is $47.7808, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $21.3350, 0.2724, 0.2236$ is the 20% darker color. If you saturate the color by 10%, you get $35.8723, 0.2692, 0.2134$, and if you desaturate by 10%, it is $57.0657, 0.2935, 0.2737$.

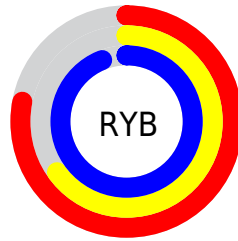
Distribution



Red (78%)

Green (65%)

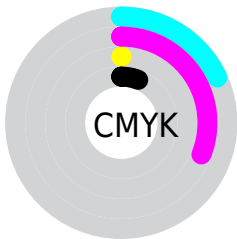
Blue (94%)



Red (78%)

Yellow (65%)

Blue (94%)

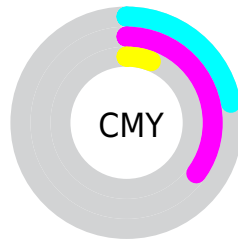


Cyan (18%)

Magenta (31%)

Yellow (0%)

Black (6%)



Cyan (22%)


Magenta (35%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5695, 0.2820, 0.2441 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 45.5695, 0.2820, 0.2441 by changing the saturation by 10% instead.


 45.5695, 0.2820,
0.2441

 45.5695, 0.2820,
0.2441


369.0752, 0.2979,
0.2840

 31.9062, 0.2780,
0.2350


 83.5743, 0.2879,
0.2580

 21.2899, 0.2728,
0.2237


 108.6847, 0.2900,
0.2634

 13.3361, 0.2658,
0.2094


138.3796, 0.2919,
0.2680

 7.6604, 0.2562,
0.1910

173.0434, 0.2934,
0.2720

 3.8784, 0.2423,
0.1664

213.0604, 0.2948,
0.2756

 1.6058, 0.2205,
0.1326

258.8151, 0.2960,


 0.3615, 0.1872,


0.2787

0.0689

310.6919, 0.2970,
0.2815

 0.0000, 0.0000,
0.0000

 45.5695, 0.2820,
0.2441


 45.5695, 0.2820,
0.2441

 35.8723, 0.2692,
0.2134

 57.0657, 0.2935,
0.2737

 27.8735, 0.2552,
0.1827


 70.4433, 0.3035,
0.3015


 21.4706, 0.2404,
0.1534

 85.7862, 0.3121,
0.3270

 16.5477, 0.2256,
0.1273

 98.6061, 0.3199,
0.3435

 12.9719, 0.2113,
0.1060

 99.0721, 0.3214,
0.3434

■ 10.5855, 0.1984,
0.0904

■ 9.2099, 0.1881,
0.0810

Harmonies

Analogous

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



45.5695, 0.2362, 0.2372



45.5695, 0.2820, 0.2441



45.5695, 0.3410, 0.2690

Triad

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



45.5695, 0.2820, 0.2441



45.5695, 0.4234, 0.3960



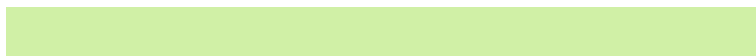
45.5695, 0.2333, 0.3450

Complementary

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



45.5695, 0.2820, 0.2441



78.5043, 0.3365, 0.4122

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.



45.5695, 0.2782, 0.4025



45.5695, 0.2820, 0.2441



45.5695, 0.3885, 0.4286

Square

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



45.5695, 0.2820, 0.2441



45.5695, 0.4273, 0.3520



45.5695, 0.3350, 0.4342



45.5695, 0.2102, 0.2888

Rectangle

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



45.5695, 0.2820, 0.2441



45.5695, 0.3796, 0.2933



45.5695, 0.3350, 0.4342



45.5695, 0.2462, 0.3654

Sweetspot

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



45.5714, 0.2820, 0.2441



83.8305, 0.3051, 0.3062



60.0924, 0.2642, 0.2923



17.4213, 0.3038, 0.3024



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.



45.5714, 0.2820, 0.2441



45.0559, 0.2741, 0.2248



51.0388, 0.3112, 0.2511



15.5623, 0.3047, 0.3051



5.1161, 0.1898, 0.0819



0.4833, 0.2044, 0.0900

Inverse Universe

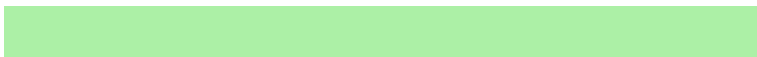
The Inverse Universe completely reimagines the original color for something new.



50.3659, 0.3434, 0.2836



51.4971, 0.3518, 0.2741



73.8742, 0.3123, 0.4187



15.9094, 0.3204, 0.3157



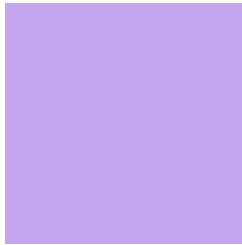
11.1480, 0.4670, 0.2346



0.9473, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 45.5695, 0.2820, 0.2441 looks on a white background.

Color Contrast Check

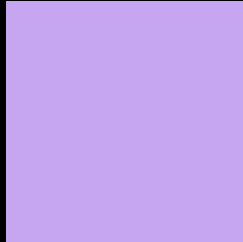
Large Text (above 18pt) WCAG AA × Fail

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 45.5695, 0.2820, 0.2441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

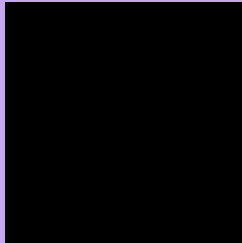
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5695, 0.2820, 0.2441

Background



This preview shows how black text looks on a background with the Yxy color 45.5695, 0.2820, 0.2441.



This preview shows how white text looks on a background with the Yxy color 45.5695, 0.2820, 0.2441.

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

45.5695, 0.2820, 0.2441

Protanopia

46.0513, 0.2498, 0.2432

Deuteranopia

45.7243, 0.2607, 0.2542



Tritanopia

45.5872, 0.3127, 0.3112

Trichromacy



Original Color

45.5695, 0.2820, 0.2441

Protanomaly

45.8102, 0.2603, 0.2433

Deuteranomaly

45.5841, 0.2681, 0.2500

Tritanomaly

45.2656, 0.3010, 0.2846

Monochromacy



Original Color

45.5695, 0.2820, 0.2441

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.6227, 0.3016, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5695, 0.2820, 0.2441 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(198, 166, 240)` looks like.

```
.text, #text, p{  
    color:rgb(198, 166, 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(198, 166, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 166, 240) }
```

Border

The CSS property to change the border of an element to Yxy 45.5695, 0.2820, 0.2441 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(198, 166, 240) }
```

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

```
.border{ border-color:rgb(198, 166, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 166, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 166, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 166, 240);  
box-shadow:4px 4px 4px 4px rgb(198, 166,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5695, 0.2820, 0.2441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 166, 240) }
```

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

```
.background{ background-color: rgb(198,  
166, 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](#).

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