

Converting Colors

$Y_{xy}(44.8521, 0.2792, 0.2304)$

Have a look what the booklet for
Yxy(44.8521, 0.2792, 0.2304)
contains.

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Color

Yxy(45.0258, 0.2794, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	CBA1F9
RGB	203, 161, 249
RGB Percent	80%, 63%, 98%
CMY	0.2041, 0.3685, 0.0236
CMYK	0.18, 0.35, 0.00, 0.02
HSL	269°, 88%, 80%
HSV	269°, 35%, 98%
XYZ	54.4598, 45.0258, 95.4313
YIQ	183.5900, -3.2160, 36.2720

Conversions

Conversions Part 2

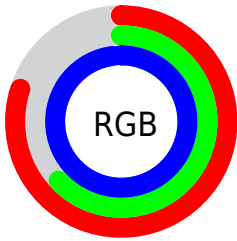
Format	Color
R _Y B	203, 161, 249
Decimal	13345273
CIE _{Lab}	72.91, 32.06, -38.11
CIE _{LCh}	73, 49.800, 310.073
Yxy	45.0258, 0.2794, 0.2310
Android (android.graphics.Color)	4291535353 (0xFFCBA1F9)
YUV	183.5900, 32.2471, 17.0226
Hunter-Lab	67.1013, 27.4444, -37.3512

Details

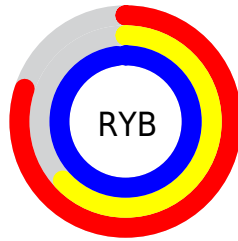
The Yxy color $45.0258, 0.2794, 0.2310$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83.5921, 0.3370, 0.4264$, and the grayscale version is $47.5147, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5917, 0.3145, 0.2910$, and $20.9461, 0.2689, 0.2085$ is the 20% darker color. If you saturate the color by 10%, you get $35.4200, 0.2670, 0.2007$, and if you desaturate by 10%, it is $56.5217, 0.2905, 0.2609$.

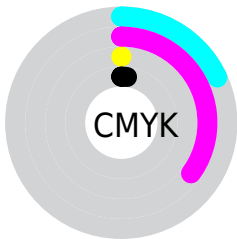
Distribution



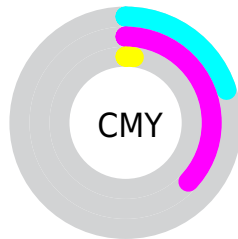
- Red (80%)
- Green (63%)
- Blue (98%)



- Red (80%)
- Yellow (63%)
- Blue (98%)



- Cyan (18%)
- Magenta (35%)
- Yellow (0%)
- Black (2%)





- Cyan (20%)
- Magenta (37%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0258, 0.2794, 0.2310 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 45.0258, 0.2794, 0.2310 by changing the saturation by 10% instead.


 45.0258, 0.2794,
0.2310

 45.0258, 0.2794,
0.2310

366.8780, 0.2968,
0.2764

 31.4777, 0.2750,
0.2208


 82.7591, 0.2858,
0.2467

 20.9629, 0.2692,
0.2083


 107.7132, 0.2882,
0.2528

 13.0969, 0.2616,
0.1927


137.2380, 0.2902,
0.2581

 7.4953, 0.2512,
0.1728

171.7181, 0.2919,
0.2627

 3.7737, 0.2361,
0.1470

211.5377, 0.2934,
0.2667

 1.5478, 0.2129,
0.1127

257.0813, 0.2947,

 0.3220, 0.1783,

0.2703

0.0515

308.7333, 0.2958,
0.2735

0.0000, 0.0172,
0.0000

0.0000, 0.0000,
0.0000

45.0258, 0.2794,
0.2310

45.0258, 0.2794,
0.2310

35.4200, 0.2670,
0.2007

56.5217, 0.2905,
0.2609

27.5917, 0.2537,
0.1711

70.0007, 0.3003,
0.2893

21.4244, 0.2398,
0.1438

85.5560, 0.3087,
0.3158

16.7849, 0.2259,
0.1203

99.6187, 0.3162,
0.3347

■ 13.5184, 0.2128,
0.1021

■ 11.4347, 0.2011,
0.0897

■ 10.7372, 0.1960,
0.0854

Harmonies

Analogous

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



45.0258, 0.2249, 0.2212



45.0258, 0.2794, 0.2310



45.0258, 0.3502, 0.2607

Triad

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



45.0258, 0.2794, 0.2310



45.0258, 0.4423, 0.4086



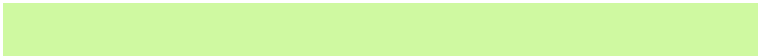
45.0258, 0.2162, 0.3430

Complementary

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



45.0258, 0.2794, 0.2310



83.5921, 0.3370, 0.4264

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.



45.0258, 0.2669, 0.4152



45.0258, 0.2794, 0.2310



45.0258, 0.3979, 0.4485

Square

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



45.0258, 0.2794, 0.2310



45.0258, 0.4508, 0.3569



45.0258, 0.3334, 0.4559



45.0258, 0.1918, 0.2763

Rectangle

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



45.0258, 0.2794, 0.2310



45.0258, 0.3965, 0.2891



45.0258, 0.3334, 0.4559



45.0258, 0.2305, 0.3682

Sweetspot

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



45.0276, 0.2794, 0.2310



80.7119, 0.3041, 0.3010



59.5008, 0.2562, 0.2806



16.8074, 0.3029, 0.2974



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.



45.0276, 0.2794, 0.2310



40.5029, 0.2712, 0.2106



51.9410, 0.3144, 0.2406



17.0487, 0.3054, 0.3050



5.8315, 0.1977, 0.0863



0.6027, 0.2107, 0.0935

Inverse Universe

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



50.1450, 0.3531, 0.2807



46.7660, 0.3640, 0.2714



78.2055, 0.3094, 0.4352



17.3770, 0.3212, 0.3167



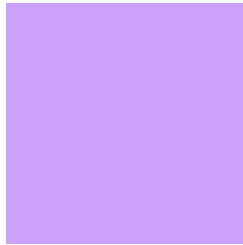
11.6769, 0.4863, 0.2453



1.1029, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 45.0258, 0.2794, 0.2310 looks on a white background.

Color Contrast Check

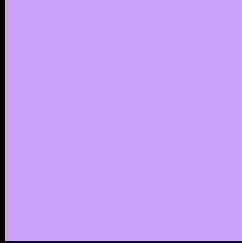
Large Text (above 18pt) WCAG AA × Fail

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 45.0258, 0.2794, 0.2310 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 45.0258, 0.2794, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 45.0258, 0.2794, 0.2310.



This preview shows how white text looks on a background with the Yxy color 45.0258, 0.2794, 0.2310.

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

45.0258, 0.2794, 0.2310

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.3672, 0.2507, 0.2448



Tritanopia

45.1974, 0.3188, 0.3126

Trichromacy



Original Color

45.0258, 0.2794, 0.2310

Protanomaly

44.9883, 0.2551, 0.2327

Deuteranomaly

44.8399, 0.2600, 0.2389

Tritanomaly

44.8994, 0.3038, 0.2792

Monochromacy



Original Color

45.0258, 0.2794, 0.2310

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.6811, 0.3002, 0.2896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0258, 0.2794, 0.2310 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, 161, 249)` looks like.

```
.text, #text, p{  
    color:rgb(203, 161, 249)  
}
```

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, 161, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 161, 249) }
```

Border

The CSS property to change the border of an element to Yxy 45.0258, 0.2794, 0.2310 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, 161, 249) }
```

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

```
.border{ border-color:rgb(203, 161, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 161, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 161, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 161, 249); box-shadow:4px 4px 4px 4px rgb(203, 161, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0258, 0.2794, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 161, 249) }
```

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

```
.background{ background-color: rgb(203,  
161, 249) }
```

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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