

Converting Colors

$Y_{xy}(45.6642, 0.2758, 0.2263)$

Have a look what the booklet for
Yxy(45.6642, 0.2758, 0.2263)
contains.

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Color

Yxy(45.8980, 0.2762, 0.2269)

Conversions

Conversions Part 1

Format	Color
Hex	CCA2FF
RGB	204, 162, 255
RGB Percent	80%, 64%, 100%
CMY	0.2000, 0.3647, 0.0000
CMYK	0.20, 0.36, 0.00, 0.00
HSL	267°, 100%, 82%
HSV	267°, 36%, 100%
XYZ	55.8705, 45.8980, 100.5144
YIQ	185.1600, -4.8210, 37.8270

Conversions

Conversions Part 2

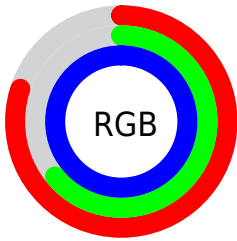
Format	Color
R_{YB}	204, 162, 255
Decimal	13411071
CIE _{Lab}	73.48, 33.16, -40.46
CIE _{LCh}	73, 52.314, 309.331
Yxy	45.8980, 0.2762, 0.2269
Android (android.graphics.Color)	4291601151 (0xFFCCA2FF)
YUV	185.1600, 34.4311, 16.5227
Hunter-Lab	67.7481, 28.6465, -40.5419

Details

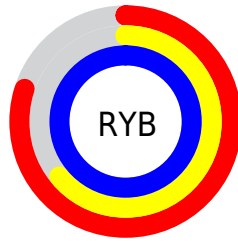
The Yxy color $45.8980, 0.2762, 0.2269$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $88.2692, 0.3392, 0.4295$, and the grayscale version is $48.4174, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.1057, 0.3145, 0.2920$, and $21.5250, 0.2649, 0.2038$ is the 20% darker color. If you saturate the color by 10%, you get $35.9204, 0.2631, 0.1962$, and if you desaturate by 10%, it is $57.8779, 0.2881, 0.2572$.

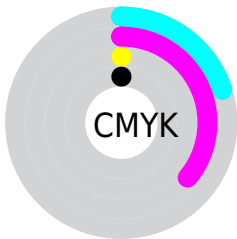
Distribution



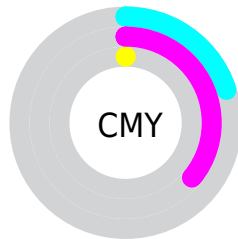
- Red (80%)
- Green (64%)
- Blue (100%)



- Red (80%)
- Yellow (64%)
- Blue (100%)



- Cyan (20%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8980, 0.2762, 0.2269 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 45.8980, 0.2762, 0.2269 by changing the saturation by 10% instead.


 45.8980, 0.2762,
0.2269


 45.8980, 0.2762,
0.2269


370.3984, 0.2952,
0.2738

 32.1653, 0.2714,
0.2164


 84.0663, 0.2832,
0.2430

 21.4878, 0.2653,
0.2037


 109.2708, 0.2858,
0.2493

 13.4810, 0.2572,
0.1879

139.0680, 0.2879,
0.2548

 7.7606, 0.2462,
0.1679

173.8422, 0.2898,
0.2596

 3.9422, 0.2305,
0.1421

213.9780, 0.2914,
0.2638

 1.6413, 0.2068,
0.1085

259.8597, 0.2928,

 0.3852, 0.1713,

0.2675

0.0540

311.8717, 0.2941,
0.2708

0.0000, 0.0471,
0.0000

0.0000, 0.0000,
0.0000

45.8980, 0.2762,
0.2269

45.8980, 0.2762,
0.2269

35.9204, 0.2631,
0.1962

57.8779, 0.2881,
0.2572

27.8242, 0.2490,
0.1664

71.9606, 0.2985,
0.2860

21.4836, 0.2345,
0.1390

88.2462, 0.3076,
0.3129

16.7545, 0.2202,
0.1157

99.9995, 0.3127,
0.3290

■ 13.4682, 0.2069,
0.0978

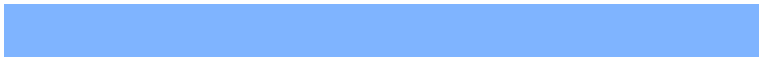
■ 11.4154, 0.1951,
0.0860

■ 10.8752, 0.1913,
0.0828

Harmonies

Analogous

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



45.8980, 0.2204, 0.2173



45.8980, 0.2762, 0.2269



45.8980, 0.3498, 0.2572

Triad

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



45.8980, 0.2762, 0.2269



45.8980, 0.4482, 0.4098



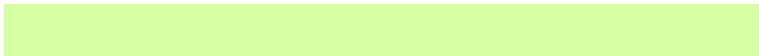
45.8980, 0.2133, 0.3453

Complementary

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



45.8980, 0.2762, 0.2269



88.2692, 0.3392, 0.4295

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.



45.8980, 0.2663, 0.4210



45.8980, 0.2762, 0.2269



45.8980, 0.4023, 0.4525

Square

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



45.8980, 0.2762, 0.2269



45.8980, 0.4564, 0.3560



45.8980, 0.3356, 0.4623



45.8980, 0.1876, 0.2752

Rectangle

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



45.8980, 0.2762, 0.2269



45.8980, 0.3984, 0.2862



45.8980, 0.3356, 0.4623



45.8980, 0.2282, 0.3718

Sweetspot

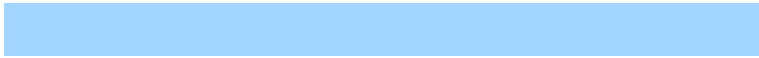
The Sweet Spot groups the original color and five complimentary colors.



45.8999, 0.2762, 0.2269



80.5893, 0.3037, 0.3010



62.5646, 0.2546, 0.2805



16.7783, 0.3024, 0.2973



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.



45.8999, 0.2762, 0.2269



38.2045, 0.2664, 0.2037



53.4497, 0.3132, 0.2374



17.7794, 0.3050, 0.3049



5.7688, 0.1930, 0.0837



0.6255, 0.2056, 0.0906

Inverse Universe

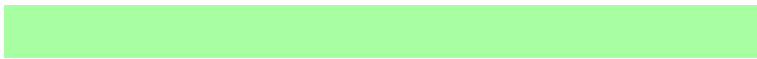
The Inverse Universe completely reimagines the original color for something new.



51.9053, 0.3528, 0.2767



45.2203, 0.3646, 0.2660



82.3015, 0.3102, 0.4391



18.1538, 0.3208, 0.3160



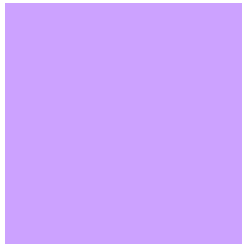
12.1262, 0.4759, 0.2396



1.2027, 0.4533, 0.2271

Previews

White Background



This preview shows how the Yxy color 45.8980, 0.2762, 0.2269 looks on a white background.

Color Contrast Check

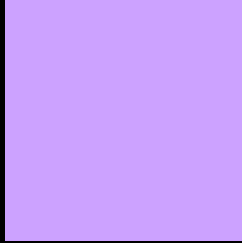
Large Text (above 18pt) WCAG AA × Fail

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 45.8980, 0.2762, 0.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

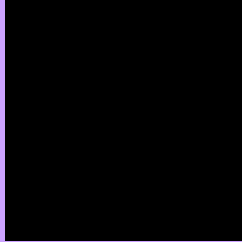
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8980, 0.2762, 0.2269

Background



This preview shows how black text looks on a background with the Yxy color 45.8980, 0.2762, 0.2269.



This preview shows how white text looks on a background with the Yxy color 45.8980, 0.2762, 0.2269.

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

45.8980, 0.2762, 0.2269

Protanopia

46.1287, 0.2448, 0.2368

Deuteranopia

46.4366, 0.2471, 0.2411



Tritanopia

46.0622, 0.3170, 0.3126

Trichromacy



Original Color

45.8980, 0.2762, 0.2269

Protanomaly

45.6093, 0.2547, 0.2322

Deuteranomaly

45.9777, 0.2567, 0.2355

Tritanomaly

45.8002, 0.3014, 0.2783

Monochromacy



Original Color

45.8980, 0.2762, 0.2269

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.3039, 0.2995, 0.2886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8980, 0.2762, 0.2269 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(204, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 162, 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(204, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.8980, 0.2762, 0.2269 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(204, 162, 255) }
```

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

```
.border{ border-color:rgb(204, 162, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8980, 0.2762, 0.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 162, 255) }
```

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

```
.background{ background-color: rgb(204,  
162, 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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