

Converting Colors

$Y_{xy}(43.6351, 0.2755, 0.2199)$

Have a look what the booklet for
Yxy(43.6351, 0.2755, 0.2199)
contains.

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Color

Yxy(43.8343, 0.2758, 0.2204)

Conversions

Conversions Part 1

Format	Color
Hex	CC9CFF
RGB	204, 156, 255
RGB Percent	80%, 61%, 100%
CMY	0.1998, 0.3883, 0.0000
CMYK	0.20, 0.39, 0.00, 0.00
HSL	269°, 100%, 81%
HSV	269°, 39%, 100%
XYZ	54.8525, 43.8343, 100.1984
YIQ	181.6380, -3.1710, 40.9650

Conversions

Conversions Part 2

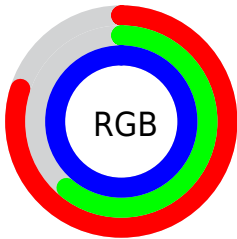
Format	Color
RYB	204, 156, 255
Decimal	13409535
CIELab	72.12, 36.47, -42.61
CIELCh	72, 56.082, 310.559
Yxy	43.8343, 0.2758, 0.2204
Android (android.graphics.Color)	4291599615 (0xFFCC9CFF)
YUV	181.6380, 36.1675, 19.6115
Hunter-Lab	66.2075, 32.0232, -43.3842

Details

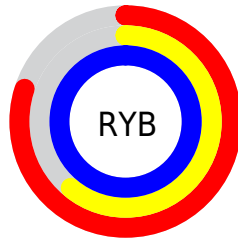
The Yxy color $43.8343, 0.2758, 0.2204$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87.1754, 0.3384, 0.4373$, and the grayscale version is $46.3743, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.0685, 0.3147, 0.2861$, and $20.2737, 0.2642, 0.1958$ is the 20% darker color. If you saturate the color by 10%, you get $34.3801, 0.2632, 0.1903$, and if you desaturate by 10%, it is $55.2411, 0.2872, 0.2505$.

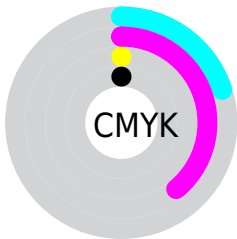
Distribution



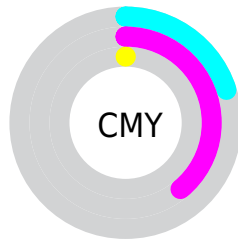
- Red (80%)
- Green (61%)
- Blue (100%)



- Red (80%)
- Yellow (61%)
- Blue (100%)



- Cyan (20%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8343, 0.2758, 0.2204 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 43.8343, 0.2758, 0.2204 by changing the saturation by 10% instead.


 43.8343, 0.2758,
0.2204

 43.8343, 0.2758,
0.2204


362.0317, 0.2952,
0.2703

 30.5403, 0.2708,
0.2093


 80.9683, 0.2830,
0.2375

 20.2490, 0.2645,
0.1958


 105.5771, 0.2856,
0.2442

 12.5762, 0.2560,
0.1792


134.7263, 0.2879,
0.2500

 7.1374, 0.2445,
0.1582

168.8003, 0.2898,
0.2551

 3.5482, 0.2279,
0.1314

208.1834, 0.2914,
0.2596

 1.4242, 0.2029,
0.0969

253.2601, 0.2929,

 0.2344, 0.1667,

0.2635

0.0342

304.4147, 0.2941,
0.2671

■ 0.0000, 0.0240,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.8343, 0.2758,
0.2204

■ 43.8343, 0.2758,
0.2204

■ 34.3801, 0.2632,
0.1903

■ 55.2411, 0.2872,
0.2505

■ 26.7610, 0.2498,
0.1614

■ 68.7073, 0.2973,
0.2795

■ 20.8469, 0.2361,
0.1355

■ 84.3322, 0.3061,
0.3067

■ 16.4896, 0.2226,
0.1139

100.0000, 0.3127,
0.3290

■ 13.5143, 0.2100,
0.0978

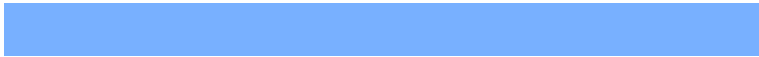
■ 11.6686, 0.1988,
0.0873

■ 11.4890, 0.1976,
0.0862

Harmonies

Analogous

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



43.8343, 0.2151, 0.2089



43.8343, 0.2758, 0.2204



43.8343, 0.3561, 0.2534

Triad

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



43.8343, 0.2758, 0.2204



43.8343, 0.4575, 0.4168



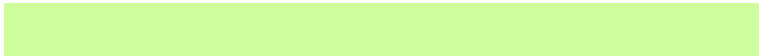
43.8343, 0.2034, 0.3426

Complementary

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



43.8343, 0.2758, 0.2204



87.1754, 0.3384, 0.4373

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.



43.8343, 0.2589, 0.4272



43.8343, 0.2758, 0.2204



43.8343, 0.4058, 0.4636

Square

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



43.8343, 0.2758, 0.2204



43.8343, 0.4694, 0.3590



43.8343, 0.3331, 0.4744



43.8343, 0.1778, 0.2673

Rectangle

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



43.8343, 0.2758, 0.2204



43.8343, 0.4089, 0.2846



43.8343, 0.3331, 0.4744



43.8343, 0.2189, 0.3719

Sweetspot

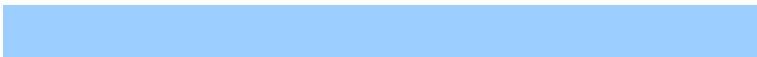
The Sweet Spot groups the original color and five complimentary colors.



43.8344, 0.2758, 0.2204



79.1416, 0.3034, 0.2983



58.9798, 0.2502, 0.2728



16.4955, 0.3023, 0.2948



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.



43.8344, 0.2758, 0.2204



35.9705, 0.2656, 0.1957



51.9387, 0.3159, 0.2325



17.8105, 0.3055, 0.3050



6.0913, 0.1993, 0.0871



0.6578, 0.2116, 0.0939

Inverse Universe

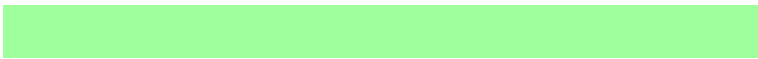
The Inverse Universe completely reimagines the original color for something new.



49.5321, 0.3595, 0.2766



42.6529, 0.3739, 0.2659



81.1514, 0.3080, 0.4481



18.1432, 0.3213, 0.3168



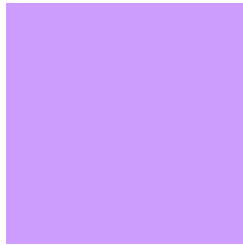
11.9985, 0.4902, 0.2474



1.1903, 0.4656, 0.2339

Previews

White Background



This preview shows how the Yxy color 43.8343, 0.2758, 0.2204 looks on a white background.

Color Contrast Check

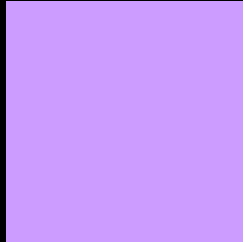
Large Text (above 18pt) WCAG AA × Fail

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 43.8343, 0.2758, 0.2204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

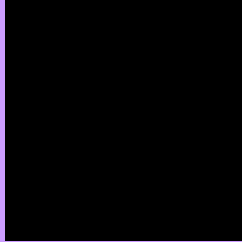
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.8343, 0.2758, 0.2204

Background



This preview shows how black text looks on a background with the Yxy color 43.8343, 0.2758, 0.2204.



This preview shows how white text looks on a background with the Yxy color 43.8343, 0.2758, 0.2204.

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

43.8343, 0.2758, 0.2204

Protanopia

43.9761, 0.2403, 0.2309

Deuteranopia

44.1090, 0.2426, 0.2361



Tritanopia

43.7930, 0.3207, 0.3124

Trichromacy



Original Color

43.8343, 0.2758, 0.2204



Protanomaly

43.4035, 0.2520, 0.2257



Deuteranomaly

43.5796, 0.2538, 0.2297



Tritanomaly

43.6613, 0.3029, 0.2754

Monochromacy



Original Color

43.8343, 0.2758, 0.2204



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

45.4377, 0.2986, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8343, 0.2758, 0.2204 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, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 156, 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, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.8343, 0.2758, 0.2204 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, 156, 255) }
```

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

```
.border{ border-color:rgb(204, 156, 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, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8343, 0.2758, 0.2204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 156, 255) }
```

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

```
.background{ background-color: rgb(204,  
156, 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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