

Converting Colors

Yxy(50.1476, 0.2793, 0.2456)

Have a look what the booklet for
Yxy(50.1476, 0.2793, 0.2456)
contains.

Yxy(50.1186, 0.2789, 0.2455)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.1186, 0.2789, 0.2455)

Conversions

Conversions Part 1

Format	Color
Hex	CAAFFA
RGB	202, 175, 250
RGB Percent	79%, 69%, 98%
CMY	0.2079, 0.3137, 0.0197
CMYK	0.19, 0.30, 0.00, 0.02
HSL	262°, 88%, 83%
HSV	262°, 30%, 98%
XYZ	56.9372, 50.1186, 97.0933
YIQ	191.6230, -7.9830, 29.0490

Conversions

Conversions Part 2

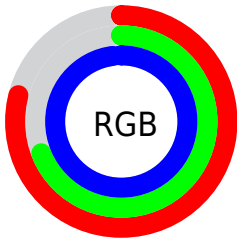
Format	Color
R _Y B	202, 175, 250
Decimal	13283322
CIE Lab	76.14, 24.33, -33.64
CIE LCh	76, 41.514, 305.875
Yxy	50.1186, 0.2789, 0.2455
Android (android.graphics.Color)	4291473402 (0xFFCAAFFA)
YUV	191.6230, 28.7799, 9.1006
Hunter-Lab	70.7945, 19.6701, -31.7590

Details

The Yxy color $50.1186, 0.2789, 0.2455$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $87.1375, 0.3396, 0.4090$, and the grayscale version is $52.3145, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $23.9724, 0.2696, 0.2258$ is the 20% darker color. If you saturate the color by 10%, you get $39.1560, 0.2645, 0.2140$, and if you desaturate by 10%, it is $63.1177, 0.2918, 0.2756$.

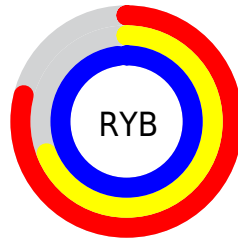
Distribution



Red (79%)

Green (69%)

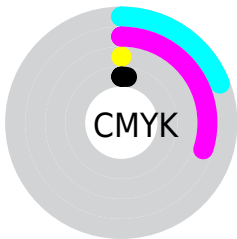
Blue (98%)



Red (79%)

Yellow (69%)

Blue (98%)

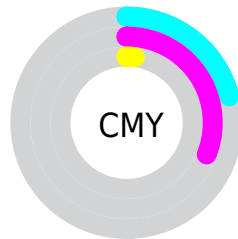


Cyan (19%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (21%)


Magenta (31%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1186, 0.2789, 0.2455 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 50.1186, 0.2789, 0.2455 by changing the saturation by 10% instead.


 50.1186, 0.2789,
0.2455

 50.1186, 0.2789,
0.2455

387.1296, 0.2960,
0.2842

 35.5076, 0.2747,
0.2368


 90.3506, 0.2851,
0.2589

 24.0542, 0.2693,
0.2260

116.7404, 0.2874,
0.2641

 15.3738, 0.2623,
0.2126


147.8253, 0.2894,
0.2686

 9.0822, 0.2527,
0.1953

183.9896, 0.2911,
0.2725

 4.7948, 0.2391,
0.1726

225.6178, 0.2926,
0.2759

 2.1274, 0.2186,
0.1416

273.0943, 0.2938,

 0.6800, 0.1859,

0.2790

0.0968

326.8034, 0.2950,
0.2817

0.0000, 0.0783,
0.0000

0.0000, 0.0000,
0.0000

50.1186, 0.2789,
0.2455

50.1186, 0.2789,
0.2455

39.1560, 0.2645,
0.2140

63.1177, 0.2918,
0.2756

30.1173, 0.2490,
0.1821

78.2457, 0.3030,
0.3036

22.8880, 0.2327,
0.1516

95.5969, 0.3127,
0.3290

17.3384, 0.2164,
0.1241

99.6805, 0.3156,
0.3338

■ 13.3209, 0.2011,
0.1014

■ 10.6607, 0.1877,
0.0850

■ 9.0745, 0.1766,
0.0746

■ 9.0729, 0.1766,
0.0746

Harmonies

Analogous

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



50.1186, 0.2359, 0.2404



50.1186, 0.2789, 0.2455



50.1186, 0.3353, 0.2684

Triad

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



50.1186, 0.2789, 0.2455



50.1186, 0.4212, 0.3909



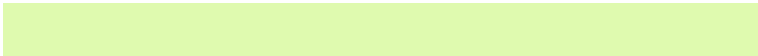
50.1186, 0.2389, 0.3494

Complementary

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



50.1186, 0.2789, 0.2455



87.1375, 0.3396, 0.4090

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.



50.1186, 0.2838, 0.4033



50.1186, 0.2789, 0.2455



50.1186, 0.3897, 0.4234

Square

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



50.1186, 0.2789, 0.2455



50.1186, 0.4220, 0.3479



50.1186, 0.3390, 0.4311



50.1186, 0.2145, 0.2943

Rectangle

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



50.1186, 0.2789, 0.2455



50.1186, 0.3730, 0.2914



50.1186, 0.3390, 0.4311



50.1186, 0.2519, 0.3688

Sweetspot

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



50.1206, 0.2789, 0.2455



83.5410, 0.3040, 0.3062



69.1860, 0.2660, 0.2992



17.3502, 0.3025, 0.3023



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.



50.1206, 0.2789, 0.2455



45.2537, 0.2704, 0.2265



55.8687, 0.3073, 0.2521



16.9470, 0.3035, 0.3049



4.8872, 0.1781, 0.0755



0.5100, 0.1912, 0.0827

Inverse Universe

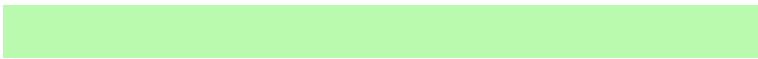
The Inverse Universe completely reimagines the original color for something new.



56.3110, 0.3379, 0.2795



52.7971, 0.3446, 0.2693



81.9219, 0.3155, 0.4153



17.4123, 0.3193, 0.3139



12.1556, 0.4380, 0.2187



1.1461, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 50.1186, 0.2789, 0.2455 looks on a white background.

Color Contrast Check

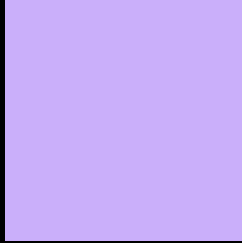
Large Text (above 18pt) WCAG AA × Fail

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 50.1186, 0.2789, 0.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

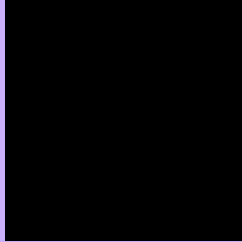
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1186, 0.2789, 0.2455

Background



This preview shows how black text looks on a background with the Yxy color 50.1186, 0.2789, 0.2455.



This preview shows how white text looks on a background with the Yxy color 50.1186, 0.2789, 0.2455.

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

50.1186, 0.2789, 0.2455

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.3595, 0.2606, 0.2547



Tritanopia

50.1589, 0.3086, 0.3117

Trichromacy



Original Color

50.1186, 0.2789, 0.2455

Protanomaly

49.8429, 0.2619, 0.2459

Deuteranomaly

50.0776, 0.2670, 0.2505

Tritanomaly

49.8455, 0.2968, 0.2848

Monochromacy



Original Color

50.1186, 0.2789, 0.2455

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.6577, 0.3005, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1186, 0.2789, 0.2455 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(202, 175, 250)` looks like.

```
.text, #text, p{  
    color:rgb(202, 175, 250)  
}
```

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(202, 175, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 175, 250) }
```

Border

The CSS property to change the border of an element to Yxy 50.1186, 0.2789, 0.2455 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(202, 175, 250) }
```

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

```
.border{ border-color:rgb(202, 175, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 175, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 175, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 175, 250);  
box-shadow:4px 4px 4px 4px rgb(202, 175,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1186, 0.2789, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 175, 250) }
```

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

```
.background{ background-color: rgb(202,  
175, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor