

Converting Colors

$Y_{xy}(47.7679, 0.2885, 0.2517)$

Have a look what the booklet for
Yxy(47.7679, 0.2885, 0.2517)
contains.

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Color

Yxy(47.7599, 0.2884, 0.2518)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CCAAEE |
| RGB | 204, 170, 238 |
| RGB Percent | 80%, 67%, 93% |
| CMY | 0.2001, 0.3333, 0.0667 |
| CMYK | 0.14, 0.29, 0.00, 0.07 |
| HSL | 270°, 67%, 80% |
| HSV | 270°, 29%, 93% |
| XYZ | 54.7020, 47.7599, 87.2121 |
| YIQ | 187.9180, -1.5640, 28.3560 |

Conversions

Conversions Part 2

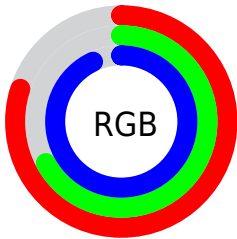
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 204, 170, 238 |
| Decimal | 13413102 |
| CIE Lab | 74.67, 25.07, -29.41 |
| CIE LCh | 75, 38.641, 310.449 |
| Yxy | 47.7599, 0.2884, 0.2518 |
| Android (android.graphics.Color) | 4291603182 (0xFFCCEAAEE) |
| YUV | 187.9180, 24.6904, 14.1039 |
| Hunter-Lab | 69.1085, 20.3494, -26.4455 |

Details

The Yxy color $47.7599, 0.2884, 0.2518$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $76.8843, 0.3316, 0.4064$, and the grayscale version is $50.0983, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3304, 0.3141, 0.2999$, and $22.7238, 0.2809, 0.2337$ is the 20% darker color. If you saturate the color by 10%, you get $38.0126, 0.2774, 0.2220$, and if you desaturate by 10%, it is $59.2548, 0.2981, 0.2805$.

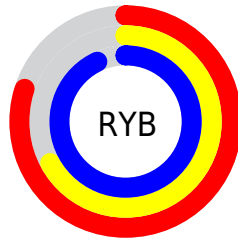
Distribution



Red (80%)

Green (67%)

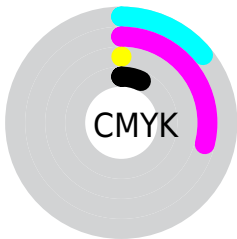
Blue (93%)



Red (80%)

Yellow (67%)

Blue (93%)

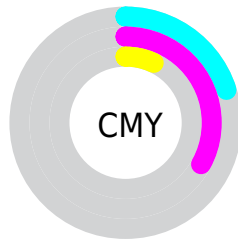


Cyan (14%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (20%)


Magenta (33%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7599, 0.2884, 0.2518 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 47.7599, 0.2884, 0.2518 by changing the saturation by 10% instead.


 47.7599, 0.2884,
0.2518

 47.7599, 0.2884,
0.2518

377.8396, 0.3010,
0.2880

 33.6368, 0.2852,
0.2435


 86.8468, 0.2930,
0.2644

 22.6147, 0.2810,
0.2332


112.5794, 0.2948,
0.2693

 14.3093, 0.2755,
0.2203


142.9506, 0.2962,
0.2735

 8.3361, 0.2678,
0.2034

178.3448, 0.2975,
0.2772

 4.3107, 0.2565,
0.1808

219.1464, 0.2985,
0.2804

 1.8489, 0.2387,
0.1492

265.7398, 0.2995,

 0.5174, 0.2098,

0.2832

0.0959

318.5094, 0.3003,
0.2857

0.0000, 0.0335,
0.0000

0.0000, 0.0000,
0.0000

47.7599, 0.2884,
0.2518

47.7599, 0.2884,
0.2518

38.0126, 0.2774,
0.2220

59.2548, 0.2981,
0.2805

29.9171, 0.2653,
0.1922

72.5749, 0.3065,
0.3075

23.3768, 0.2523,
0.1636

87.7999, 0.3137,
0.3325

18.2826, 0.2389,
0.1377

98.3145, 0.3205,
0.3455

■ 14.5106, 0.2257,
0.1162

■ 98.9522, 0.3226,
0.3454

■ 11.9146, 0.2133,
0.1000

■ 10.2841, 0.2022,
0.0893

■ 10.0874, 0.2007,
0.0879

Harmonies

Analogous

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



47.7599, 0.2449, 0.2443



47.7599, 0.2884, 0.2518



47.7599, 0.3427, 0.2760

Triad

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



47.7599, 0.2884, 0.2518



47.7599, 0.4127, 0.3938



47.7599, 0.2378, 0.3400

Complementary

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



47.7599, 0.2884, 0.2518



76.8843, 0.3316, 0.4064

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.



47.7599, 0.2780, 0.3923



47.7599, 0.2884, 0.2518



47.7599, 0.3795, 0.4215

Square

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



47.7599, 0.2884, 0.2518



47.7599, 0.4181, 0.3538



47.7599, 0.3299, 0.4234



47.7599, 0.2177, 0.2896

Rectangle

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



47.7599, 0.2884, 0.2518



47.7599, 0.3772, 0.2991



47.7599, 0.3299, 0.4234



47.7599, 0.2492, 0.3583

Sweetspot

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



47.7619, 0.2884, 0.2518



84.1081, 0.3061, 0.3063



58.4467, 0.2672, 0.2899



17.4895, 0.3050, 0.3025



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.



47.7619, 0.2884, 0.2518



49.2765, 0.2824, 0.2353



52.9070, 0.3151, 0.2577



15.6167, 0.3058, 0.3051



5.7055, 0.2023, 0.0888



0.5338, 0.2165, 0.0966

Inverse Universe

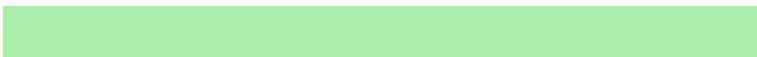
The Inverse Universe completely reimagines the original color for something new.



51.2912, 0.3446, 0.2920



54.1136, 0.3529, 0.2845



72.7180, 0.3095, 0.4118



15.8908, 0.3215, 0.3172



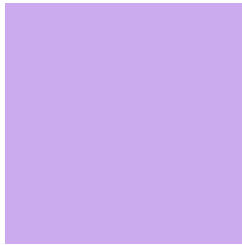
10.9114, 0.4957, 0.2504



0.9278, 0.4665, 0.2343

Previews

White Background



This preview shows how the Yxy color 47.7599, 0.2884, 0.2518 looks on a white background.

Color Contrast Check

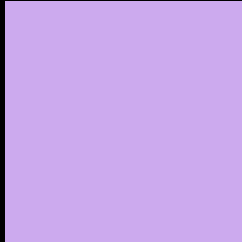
Large Text (above 18pt) WCAG AA × Fail

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 47.7599, 0.2884, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

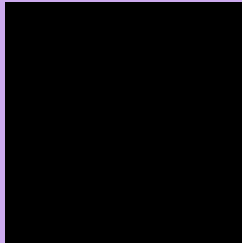
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7599, 0.2884, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 47.7599, 0.2884, 0.2518.



This preview shows how white text looks on a background with the Yxy color 47.7599, 0.2884, 0.2518.

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

47.7599, 0.2884, 0.2518

Protanopia

48.2783, 0.2562, 0.2511

Deuteranopia

48.1025, 0.2680, 0.2625



Tritanopia

47.9608, 0.3170, 0.3117

Trichromacy



Original Color

47.7599, 0.2884, 0.2518

Protanomaly

48.0757, 0.2669, 0.2513

Deuteranomaly

47.8730, 0.2749, 0.2580

Tritanomaly

47.9335, 0.3069, 0.2893

Monochromacy



Original Color

47.7599, 0.2884, 0.2518

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

48.9733, 0.3042, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7599, 0.2884, 0.2518 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, 170, 238)` looks like.

```
.text, #text, p{  
    color:rgb(204, 170, 238)  
}
```

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, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 170, 238) }
```

Border

The CSS property to change the border of an element to Yxy 47.7599, 0.2884, 0.2518 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, 170, 238) }
```

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

```
.border{ border-color:rgb(204, 170, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 170, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 170, 238);  
box-shadow:4px 4px 4px 4px rgb(204, 170,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7599, 0.2884, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 170, 238) }
```

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

```
.background{ background-color: rgb(204,  
170, 238) }
```

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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