

Converting Colors

$Y_{xy}(62.8382, 0.2875, 0.2696)$

Have a look what the booklet for
Yxy(62.8382, 0.2875, 0.2696)
contains.

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Color

Yxy(62.8186, 0.2878, 0.2695)

Conversions

Conversions Part 1

Format	Color
Hex	D9C7FF
RGB	217, 199, 255
RGB Percent	85%, 78%, 100%
CMY	0.1491, 0.2196, 0.0000
CMYK	0.15, 0.22, 0.00, 0.00
HSL	259°, 100%, 89%
HSV	259°, 22%, 100%
XYZ	67.0842, 62.8186, 103.1903
YIQ	210.7660, -7.2480, 21.2320

Conversions

Conversions Part 2

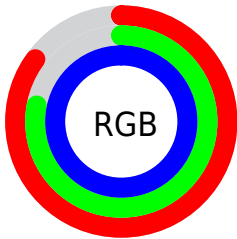
Format	Color
R _Y B	217, 199, 255
Decimal	14272511
CIE _{Lab}	83.35, 16.96, -25.16
CIE _{LCh}	83, 30.344, 303.972
Y _{xy}	62.8186, 0.2878, 0.2695
Android (android.graphics.Color)	4292462591 (0xFFD9C7FF)
Y _{UV}	210.7660, 21.8074, 5.4672
Hunter-Lab	79.2582, 12.3807, -21.7120

Details

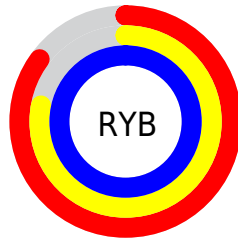
The Yxy color $62.8186, 0.2878, 0.2695$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $93.6471, 0.3340, 0.3862$, and the grayscale version is $64.8366, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.0094, 0.2818, 0.2561$ is the 20% darker color. If you saturate the color by 10%, you get $49.5380, 0.2738, 0.2387$, and if you desaturate by 10%, it is $78.3486, 0.3001, 0.2981$.

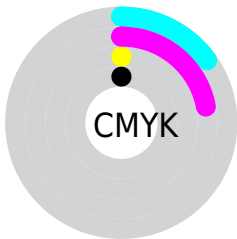
Distribution



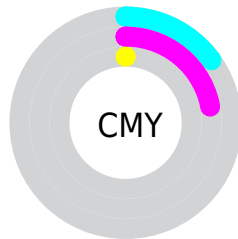
- Red (85%)
- Green (78%)
- Blue (100%)



- Red (85%)
- Yellow (78%)
- Blue (100%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8186, 0.2878, 0.2695 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 62.8186, 0.2878, 0.2695 by changing the saturation by 10% instead.

62.8186, 0.2878,
0.2695

62.8186, 0.2878,
0.2695

434.9108, 0.2999,
0.2966

45.6945, 0.2849,
0.2634

108.9078, 0.2921,
0.2788

32.0048, 0.2814,
0.2560

138.6416, 0.2937,
0.2825

21.3652, 0.2767,
0.2467

173.3474, 0.2951,
0.2856

13.3912, 0.2706,
0.2348

213.4097, 0.2963,
0.2884

7.6985, 0.2621,
0.2190

259.2128, 0.2974,
0.2908

3.9026, 0.2495,
0.1972

311.1411, 0.2983,

1.6192, 0.2294,

0.2929

0.1655

369.5790, 0.2991,
0.2949

0.3705, 0.1982,
0.0959

0.0000, 0.0000,
0.0000

62.8186, 0.2878,
0.2695

62.8186, 0.2878,
0.2695

49.5380, 0.2738,
0.2387

78.3486, 0.3001,
0.2981

38.3927, 0.2583,
0.2065

96.2195, 0.3108,
0.3242

29.2699, 0.2417,
0.1742

99.9996, 0.3127,
0.3290

22.0432, 0.2246,
0.1435

■ 16.5716, 0.2079,
0.1164

■ 12.6932, 0.1926,
0.0946

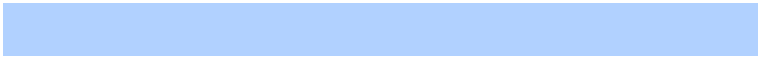
■ 10.2145, 0.1796,
0.0794

■ 9.0079, 0.1711,
0.0716

Harmonies

Analogous

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



62.8186, 0.2580, 0.2675



62.8186, 0.2878, 0.2695



62.8186, 0.3262, 0.2852

Triad

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



62.8186, 0.2878, 0.2695



62.8186, 0.3875, 0.3719



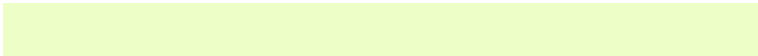
62.8186, 0.2637, 0.3458

Complementary

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



62.8186, 0.2878, 0.2695



93.6471, 0.3340, 0.3862

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.



62.8186, 0.2962, 0.3796



62.8186, 0.2878, 0.2695



62.8186, 0.3681, 0.3931

Square

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



62.8186, 0.2878, 0.2695



62.8186, 0.3857, 0.3419



62.8186, 0.3344, 0.3971



62.8186, 0.2448, 0.3089

Rectangle

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



62.8186, 0.2878, 0.2695



62.8186, 0.3515, 0.3015



62.8186, 0.3344, 0.3971



62.8186, 0.2734, 0.3581

Sweetspot

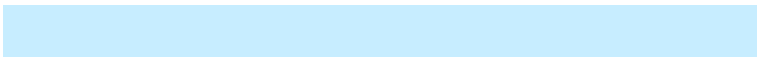
The Sweet Spot groups the original color and five complimentary colors.



62.8212, 0.2878, 0.2695



86.9089, 0.3056, 0.3114



80.0854, 0.2786, 0.3100



18.3723, 0.3050, 0.3098



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.



62.8212, 0.2878, 0.2695



57.1862, 0.2823, 0.2573



67.4354, 0.3077, 0.2729



17.6608, 0.3029, 0.3048



4.7778, 0.1727, 0.0725



0.5210, 0.1847, 0.0791

Inverse Universe

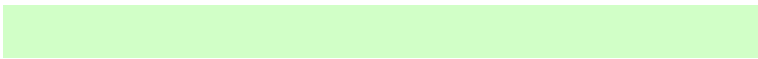
The Inverse Universe completely reimagines the original color for something new.



68.2261, 0.3283, 0.2910



63.4502, 0.3318, 0.2838



89.2350, 0.3162, 0.3895



18.1953, 0.3188, 0.3130



12.7162, 0.4229, 0.2103



1.2581, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 62.8186, 0.2878, 0.2695 looks on a white background.

Color Contrast Check

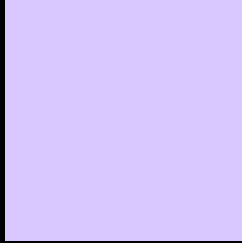
Large Text (above 18pt) WCAG AA × Fail

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 62.8186, 0.2878, 0.2695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

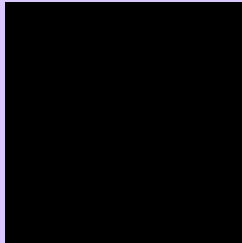
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8186, 0.2878, 0.2695

Background



This preview shows how black text looks on a background with the Yxy color 62.8186, 0.2878, 0.2695.

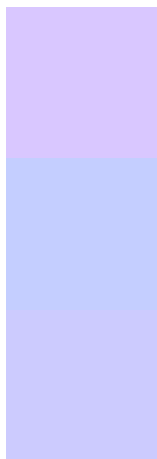


This preview shows how white text looks on a background with the Yxy color 62.8186, 0.2878, 0.2695.

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

62.8186, 0.2878, 0.2695

Protanopia

63.0984, 0.2741, 0.2750

Deuteranopia

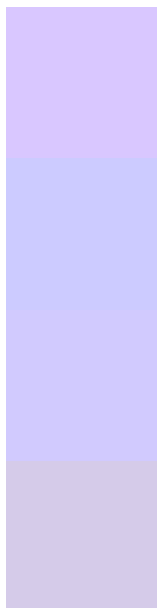
62.7050, 0.2797, 0.2734



Tritanopia

62.7320, 0.3061, 0.3110

Trichromacy



Original Color

62.8186, 0.2878, 0.2695

Protanomaly

62.7692, 0.2791, 0.2724

Deuteranomaly

62.9521, 0.2830, 0.2728

Tritanomaly

62.7412, 0.2994, 0.2958

Monochromacy



Original Color

62.8186, 0.2878, 0.2695

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.3178, 0.3034, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8186, 0.2878, 0.2695 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(217, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 199, 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(217, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.8186, 0.2878, 0.2695 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(217, 199, 255) }
```

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

```
.border{ border-color:rgb(217, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8186, 0.2878, 0.2695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 199, 255) }
```

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

```
.background{ background-color: rgb(217,  
199, 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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