

Converting Colors

$Y_{xy}(72.9382, 0.2237, 0.1794)$

Have a look what the booklet for
Yxy(72.9382, 0.2237, 0.1794)
contains.

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Color

Yxy(62.5829, 0.2804, 0.2715)

Conversions

Conversions Part 1

Format	Color
Hex	CECAFF
RGB	206, 202, 255
RGB Percent	81%, 79%, 100%
CMY	0.1920, 0.2079, 0.0000
CMYK	0.19, 0.21, 0.00, 0.00
HSL	245°, 100%, 90%
HSV	245°, 21%, 100%
XYZ	64.6344, 62.5829, 103.2906
YIQ	209.2380, -14.6290, 17.3310

Conversions

Conversions Part 2

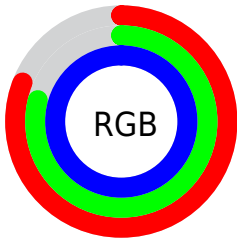
Format	Color
R _Y B	206, 202, 255
Decimal	13552383
CIE Lab	83.22, 12.01, -25.44
CIE LCh	83, 28.133, 295.261
Yxy	62.5829, 0.2804, 0.2715
Android (android.graphics.Color)	4291742463 (0xFFCECAFF)
YUV	209.2380, 22.5607, -2.8397
Hunter-Lab	79.1094, 7.3978, -22.0365

Details

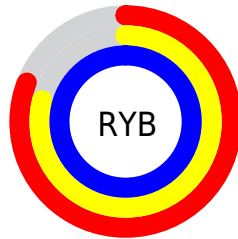
The Yxy color **62.5829, 0.2804, 0.2715** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.2827, 0.3415, 0.3815**, and the grayscale version is **63.7855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **31.8363, 0.2723, 0.2584** is the 20% darker color. If you saturate the color by 10%, you get **48.4687, 0.2618, 0.2391**, and if you desaturate by 10%, it is **79.1825, 0.2970, 0.3009**.

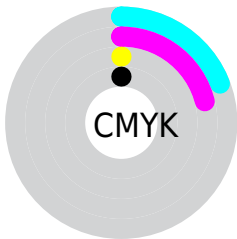
Distribution



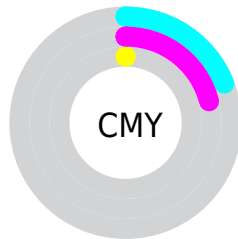
- Red (81%)
- Green (79%)
- Blue (100%)



- Red (81%)
- Yellow (79%)
- Blue (100%)



- Cyan (19%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.5829, 0.2804, 0.2715 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 62.5829, 0.2804, 0.2715 by changing the saturation by 10% instead.

62.5829, 0.2804,
0.2715

62.5829, 0.2804,
0.2715

434.0542, 0.2958,
0.2979

45.5039, 0.2768,
0.2656

108.5675, 0.2858,
0.2806

31.8545, 0.2723,
0.2583

138.2419, 0.2879,
0.2841

21.2504, 0.2665,
0.2491

172.8836, 0.2897,
0.2872

13.3071, 0.2589,
0.2373

212.8768, 0.2913,
0.2899

7.6404, 0.2485,
0.2216

258.6061, 0.2926,
0.2923

3.8657, 0.2333,
0.1998

310.4559, 0.2938,

1.5987, 0.2095,

0.2943

0.1678

368.8104, 0.2949,
0.2962

0.3567, 0.1697,
0.0958

0.0000, 0.0000,
0.0000

62.5829, 0.2804,
0.2715

62.5829, 0.2804,
0.2715

48.4687, 0.2618,
0.2391

79.1825, 0.2970,
0.3009

36.7155, 0.2418,
0.2045

98.3738, 0.3117,
0.3271

27.1955, 0.2209,
0.1692

100.0000, 0.3127,
0.3290

19.7672, 0.2006,
0.1355

■ 14.2726, 0.1822,
0.1058

■ 10.5311, 0.1673,
0.0827

■ 8.3280, 0.1571,
0.0678

■ 7.3636, 0.1518,
0.0610

Harmonies

Analogous

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



62.5829, 0.2561, 0.2738



62.5829, 0.2804, 0.2715



62.5829, 0.3146, 0.2827

Triad

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



62.5829, 0.2804, 0.2715



62.5829, 0.3838, 0.3616



62.5829, 0.2750, 0.3545

Complementary

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



62.5829, 0.2804, 0.2715



96.2827, 0.3415, 0.3815

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.



62.5829, 0.3077, 0.3824



62.5829, 0.2804, 0.2715



62.5829, 0.3712, 0.3842

Square

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



62.5829, 0.2804, 0.2715



62.5829, 0.3761, 0.3327



62.5829, 0.3430, 0.3930



62.5829, 0.2530, 0.3200

Rectangle

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



62.5829, 0.2804, 0.2715



62.5829, 0.3389, 0.2963



62.5829, 0.3430, 0.3930



62.5829, 0.2850, 0.3652

Sweetspot

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



62.5846, 0.2804, 0.2715



88.0417, 0.3043, 0.3139



89.0610, 0.2814, 0.3252



18.5783, 0.3033, 0.3122



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.



62.5846, 0.2804, 0.2715



56.3435, 0.2728, 0.2582



66.6170, 0.2985, 0.2745



17.4441, 0.2990, 0.3045



3.8711, 0.1523, 0.0613



0.3988, 0.1575, 0.0641

Inverse Universe

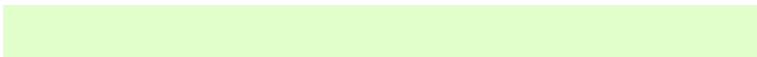
The Inverse Universe completely reimagines the original color for something new.



70.4579, 0.3180, 0.2809



65.5406, 0.3192, 0.2710



91.7851, 0.3244, 0.3844



18.2750, 0.3150, 0.3073



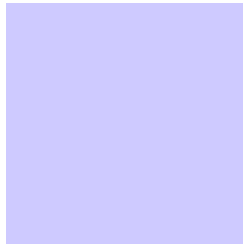
14.2680, 0.3412, 0.1653



1.3961, 0.3386, 0.1639

Previews

White Background



This preview shows how the Yxy color 62.5829, 0.2804, 0.2715 looks on a white background.

Color Contrast Check

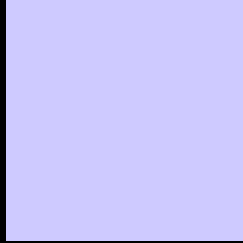
Large Text (above 18pt) WCAG AA × Fail

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 62.5829, 0.2804, 0.2715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

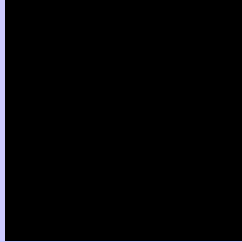
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.5829, 0.2804, 0.2715

Background



This preview shows how black text looks on a background with the Yxy color 62.5829, 0.2804, 0.2715.

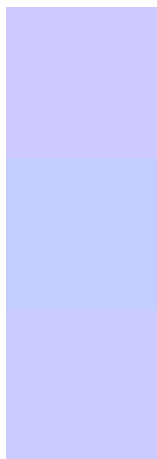


This preview shows how white text looks on a background with the Yxy color 62.5829, 0.2804, 0.2715.

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

62.5829, 0.2804, 0.2715

Protanopia

62.6184, 0.2740, 0.2739

Deuteranopia

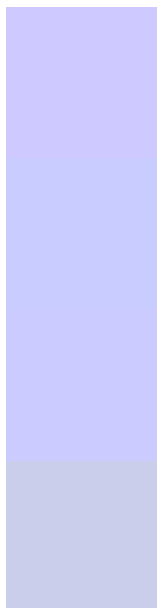
62.6284, 0.2784, 0.2723



Tritanopia

62.7729, 0.2961, 0.3106

Trichromacy



Original Color

62.5829, 0.2804, 0.2715

Protanomaly

62.6851, 0.2765, 0.2731

Deuteranomaly

62.7692, 0.2791, 0.2724

Tritanomaly

62.6973, 0.2903, 0.2963

Monochromacy



Original Color

62.5829, 0.2804, 0.2715

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.0435, 0.3005, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.5829, 0.2804, 0.2715 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(206, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 202, 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(206, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 62.5829, 0.2804, 0.2715 is called "border". The border property can be set on classes, ids or directly on the HTML element.

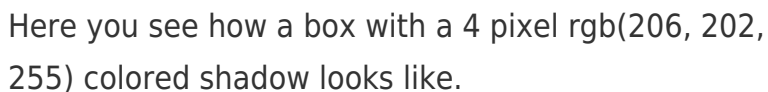
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 202, 255) }
```

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

```
.border{ border-color:rgb(206, 202, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 202, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 202, 255); box-shadow:4px 4px 4px 4px rgb(206, 202, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 62.5829, 0.2804, 0.2715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 202, 255) }
```

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

```
.background{ background-color: rgb(206,  
202, 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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