

Converting Colors

$Yxy(64.7486, 0.2822, 0.2760)$

Have a look what the booklet for
Yxy(64.7486, 0.2822, 0.2760)
contains.

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Color

Yxy(64.7725, 0.2820, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	D0CEFF
RGB	208, 206, 255
RGB Percent	82%, 81%, 100%
CMY	0.1843, 0.1921, 0.0001
CMYK	0.18, 0.19, 0.00, 0.00
HSL	242°, 100%, 90%
HSV	242°, 19%, 100%
XYZ	66.1327, 64.7725, 103.6079
YIQ	212.1840, -14.5370, 15.6630

Conversions

Conversions Part 2

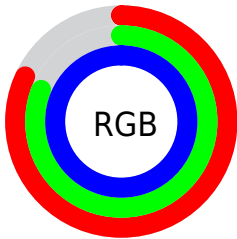
Format	Color
R _Y B	208, 206, 255
Decimal	13684479
CIE _{Lab}	84.37, 10.45, -23.67
CIE _{LCh}	84, 25.874, 293.813
Y _{xy}	64.7725, 0.2820, 0.2762
Android (android.graphics.Color)	4291874559 (0xFFD0CEFF)
Y _{UV}	212.1840, 21.1083, -3.6694
Hunter-Lab	80.4814, 5.8336, -19.9902

Details

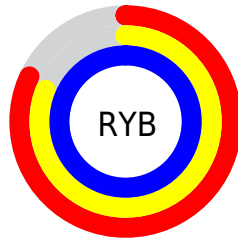
The Yxy color $64.7725, 0.2820, 0.2762$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $96.8430, 0.3404, 0.3772$, and the grayscale version is $65.8332, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.3060, 0.2745, 0.2645$ is the 20% darker color. If you saturate the color by 10%, you get $50.2019, 0.2631, 0.2440$, and if you desaturate by 10%, it is $81.8863, 0.2989, 0.3053$.

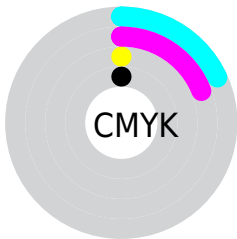
Distribution



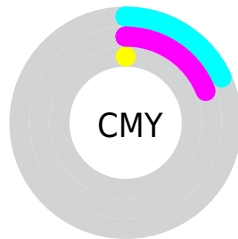
- Red (82%)
- Green (81%)
- Blue (100%)



- Red (82%)
- Yellow (81%)
- Blue (100%)



- Cyan (18%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.7725, 0.2820, 0.2762 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 64.7725, 0.2820, 0.2762 by changing the saturation by 10% instead.

64.7725, 0.2820,
0.2762

64.7725, 0.2820,
0.2762

441.9740, 0.2966,
0.3004

47.2766, 0.2786,
0.2708

111.7227, 0.2871,
0.2845

33.2544, 0.2744,
0.2641

141.9459, 0.2891,
0.2878

22.3214, 0.2690,
0.2557

177.1802, 0.2908,
0.2906

14.0933, 0.2620,
0.2449

217.8102, 0.2922,
0.2931

8.1856, 0.2523,
0.2305

264.2201, 0.2935,
0.2952

4.2139, 0.2382,
0.2104

316.7945, 0.2946,

1.7939, 0.2164,

0.2971

0.1808

375.9176, 0.2957,
0.2988

0.4834, 0.1803,
0.1220

0.0000, 0.0000,
0.0000

64.7725, 0.2820,
0.2762

64.7725, 0.2820,
0.2762

50.2019, 0.2631,
0.2440

81.8863, 0.2989,
0.3053

38.0456, 0.2426,
0.2093

99.9988, 0.3127,
0.3290

28.1758, 0.2213,
0.1737

20.4493, 0.2005,
0.1392

■ 14.7070, 0.1818,
0.1086

■ 10.7676, 0.1667,
0.0844

■ 8.4168, 0.1564,
0.0685

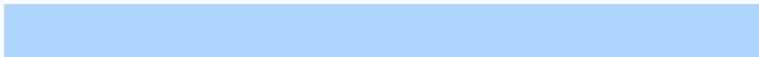
■ 7.3435, 0.1511,
0.0609

■ 7.2862, 0.1508,
0.0605

Harmonies

Analogous

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



64.7725, 0.2602, 0.2791



64.7725, 0.2820, 0.2762



64.7725, 0.3130, 0.2859

Triad

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



64.7725, 0.2820, 0.2762



64.7725, 0.3774, 0.3578



64.7725, 0.2797, 0.3536

Complementary

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



64.7725, 0.2820, 0.2762



96.8430, 0.3404, 0.3772

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.



64.7725, 0.3098, 0.3781



64.7725, 0.2820, 0.2762



64.7725, 0.3669, 0.3787

Square

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



64.7725, 0.2820, 0.2762



64.7725, 0.3695, 0.3313



64.7725, 0.3419, 0.3871



64.7725, 0.2589, 0.3225

Rectangle

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



64.7725, 0.2820, 0.2762



64.7725, 0.3350, 0.2981



64.7725, 0.3419, 0.3871



64.7725, 0.2890, 0.3631

Sweetspot

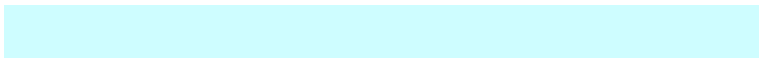
The Sweet Spot groups the original color and five complimentary colors.



64.7752, 0.2820, 0.2762



87.9461, 0.3039, 0.3139



90.8124, 0.2837, 0.3272



18.5558, 0.3029, 0.3121



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.



64.7752, 0.2820, 0.2762



58.9660, 0.2750, 0.2643



68.5407, 0.2986, 0.2787



17.4132, 0.2985, 0.3044



3.8231, 0.1512, 0.0607



0.3842, 0.1541, 0.0622

Inverse Universe

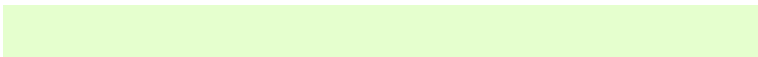
The Inverse Universe completely reimagines the original color for something new.



72.4919, 0.3163, 0.2830



67.9643, 0.3171, 0.2738



92.5998, 0.3246, 0.3797



18.2868, 0.3144, 0.3065



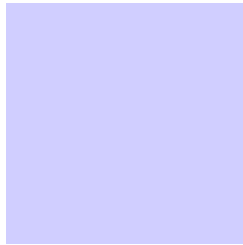
14.5453, 0.3314, 0.1600



1.4201, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 64.7725, 0.2820, 0.2762 looks on a white background.

Color Contrast Check

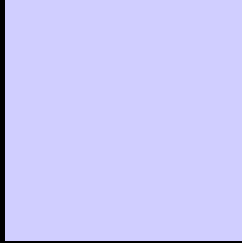
Large Text (above 18pt) WCAG AA × Fail

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 64.7725, 0.2820, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

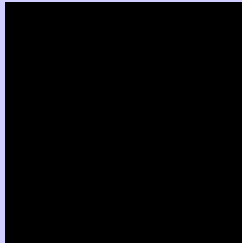
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7725, 0.2820, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 64.7725, 0.2820, 0.2762.

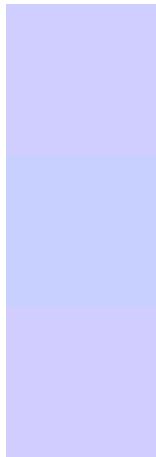


This preview shows how white text looks on a background with the Yxy color 64.7725, 0.2820, 0.2762.

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

64.7725, 0.2820, 0.2762

Protanopia

64.6111, 0.2768, 0.2776

Deuteranopia

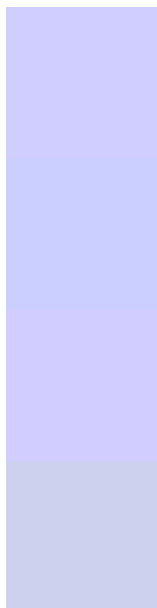
64.9179, 0.2827, 0.2763



Tritanopia

64.8865, 0.2956, 0.3098

Trichromacy



Original Color

64.7725, 0.2820, 0.2762

Protanomaly

64.5422, 0.2787, 0.2768

Deuteranomaly

64.9179, 0.2827, 0.2763

Tritanomaly

64.7531, 0.2906, 0.2967

Monochromacy



Original Color

64.7725, 0.2820, 0.2762

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.5435, 0.3013, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7725, 0.2820, 0.2762 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(208, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 206, 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(208, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.7725, 0.2820, 0.2762 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(208, 206, 255) }
```

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

```
.border{ border-color:rgb(208, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 206,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7725, 0.2820, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 206, 255) }
```

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

```
.background{ background-color: rgb(208,  
206, 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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