

Converting Colors

$Y_{xy}(62.9176, 0.2785, 0.2730)$

Have a look what the booklet for
Yxy(62.9176, 0.2785, 0.2730)
contains.

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Color

Yxy(63.1022, 0.2785, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	CBCCFE
RGB	203, 204, 255
RGB Percent	80%, 80%, 100%
CMY	0.2038, 0.2000, 0.0000
CMYK	0.20, 0.20, 0.00, 0.00
HSL	239°, 100%, 90%
HSV	239°, 20%, 100%
XYZ	64.2793, 63.1022, 103.4239
YIQ	209.5150, -16.9670, 15.6490

Conversions

Conversions Part 2

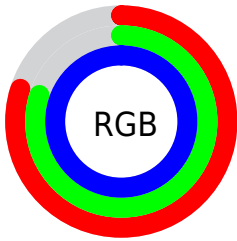
Format	Color
R _Y B	203, 204, 255
Decimal	13356287
CIE _{Lab}	83.50, 10.02, -25.06
CIE _{LCh}	83, 26.984, 291.796
Y _{xy}	63.1022, 0.2785, 0.2734
Android (android.graphics.Color)	4291546367 (0xFFCBCCFF)
YUV	209.5150, 22.4241, -5.7137
Hunter-Lab	79.4369, 5.4253, -21.5876

Details

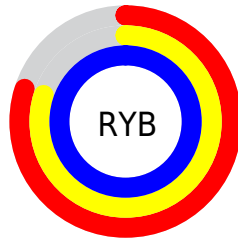
The Yxy color **63.1022, 0.2785, 0.2734** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **96.4750, 0.3437, 0.3791**, and the grayscale version is **63.9751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.1858, 0.2700, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **48.8571, 0.2588, 0.2412**, and if you desaturate by 10%, it is **79.8483, 0.2964, 0.3025**.

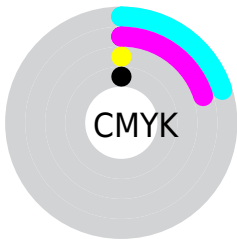
Distribution



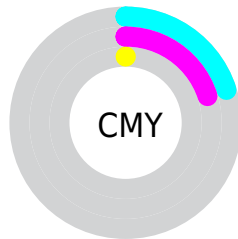
- Red (80%)
- Green (80%)
- Blue (100%)



- Red (80%)
- Yellow (80%)
- Blue (100%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1022, 0.2785, 0.2734 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 63.1022, 0.2785, 0.2734 by changing the saturation by 10% instead.

■ 63.1022, 0.2785,
0.2734

■ 63.1022, 0.2785,
0.2734

435.9403, 0.2947,
0.2990

■ 45.9239, 0.2747,
0.2676

109.3169, 0.2842,
0.2822

■ 32.1858, 0.2700,
0.2605

139.1222, 0.2864,
0.2857

■ 21.5034, 0.2640,
0.2517

173.9051, 0.2883,
0.2886

■ 13.4925, 0.2561,
0.2402

214.0503, 0.2899,
0.2912

■ 7.7685, 0.2452,
0.2248

259.9420, 0.2913,
0.2935

■ 3.9472, 0.2296,
0.2034

311.9646, 0.2926,

■ 1.6441, 0.2052,

0.2955

0.1720

370.5026, 0.2937,
0.2973

0.3870, 0.1634,
0.1033

0.0000, 0.0000,
0.0000

63.1022, 0.2785,
0.2734

63.1022, 0.2785,
0.2734

48.8571, 0.2588,
0.2412

79.8483, 0.2964,
0.3025

36.9914, 0.2376,
0.2066

99.2053, 0.3122,
0.3281

27.3758, 0.2161,
0.1711

100.0000, 0.3127,
0.3290

19.8685, 0.1953,
0.1369

■ 14.3111, 0.1772,
0.1066

■ 10.5233, 0.1631,
0.0830

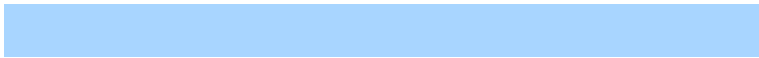
■ 8.2910, 0.1542,
0.0677

■ 7.3234, 0.1502,
0.0608

Harmonies

Analogous

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



63.1022, 0.2566, 0.2773



63.1022, 0.2785, 0.2734



63.1022, 0.3106, 0.2827

Triad

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



63.1022, 0.2785, 0.2734



63.1022, 0.3808, 0.3573



63.1022, 0.2798, 0.3570

Complementary

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



63.1022, 0.2785, 0.2734



96.4750, 0.3437, 0.3791

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.



63.1022, 0.3119, 0.3821



63.1022, 0.2785, 0.2734



63.1022, 0.3710, 0.3800

Square

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



63.1022, 0.2785, 0.2734



63.1022, 0.3712, 0.3294



63.1022, 0.3454, 0.3901



63.1022, 0.2572, 0.3242

Rectangle

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



63.1022, 0.2785, 0.2734



63.1022, 0.3338, 0.2951



63.1022, 0.3454, 0.3901



63.1022, 0.2898, 0.3668

Sweetspot

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



63.1028, 0.2785, 0.2734



88.0046, 0.3035, 0.3141



91.3287, 0.2831, 0.3307



18.5696, 0.3025, 0.3124



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.



63.1028, 0.2785, 0.2734



57.6676, 0.2716, 0.2621



66.3193, 0.2952, 0.2750



17.4321, 0.2978, 0.3049



3.8502, 0.1503, 0.0611



0.3932, 0.1511, 0.0638

Inverse Universe

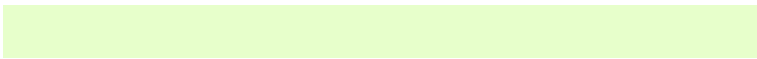
The Inverse Universe completely reimagines the original color for something new.



68.3423, 0.3529, 0.3281



63.6922, 0.3621, 0.3280



92.7793, 0.3276, 0.3827



17.9926, 0.3292, 0.3286



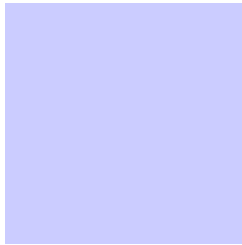
11.1166, 0.6382, 0.3289



1.0842, 0.6337, 0.3264

Previews

White Background



This preview shows how the Yxy color 63.1022, 0.2785, 0.2734 looks on a white background.

Color Contrast Check

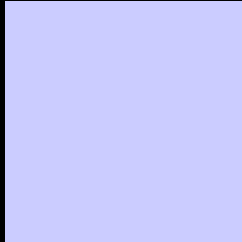
Large Text (above 18pt) WCAG AA × Fail

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 63.1022, 0.2785, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

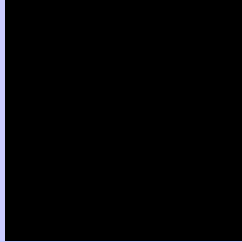
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.1022, 0.2785, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 63.1022, 0.2785, 0.2734.

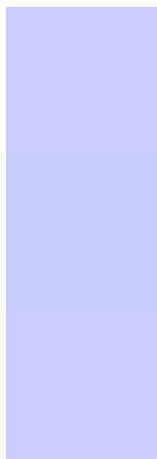


This preview shows how white text looks on a background with the Yxy color 63.1022, 0.2785, 0.2734.

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

63.1022, 0.2785, 0.2734

Protanopia

63.2329, 0.2747, 0.2751

Deuteranopia

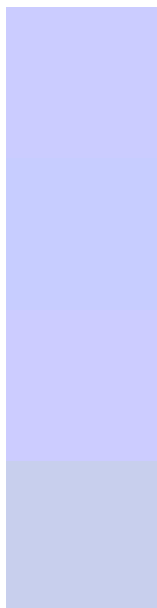
63.2431, 0.2792, 0.2735



Tritanopia

63.0977, 0.2934, 0.3095

Trichromacy



Original Color

63.1022, 0.2785, 0.2734

Protanomaly

63.0248, 0.2759, 0.2742

Deuteranomaly

63.2431, 0.2792, 0.2735

Tritanomaly

63.0194, 0.2877, 0.2952

Monochromacy



Original Color

63.1022, 0.2785, 0.2734

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.8681, 0.2997, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1022, 0.2785, 0.2734 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(203, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 204, 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(203, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 204, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.1022, 0.2785, 0.2734 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(203, 204, 255) }
```

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

```
.border{ border-color:rgb(203, 204, 255) }
```

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

Here you see how a box with a 4 pixel rgb(203, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 204,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1022, 0.2785, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 204, 255) }
```

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

```
.background{ background-color: rgb(203,  
204, 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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