

Converting Colors

$Yxy(66.3762, 0.2828, 0.2796)$

Have a look what the booklet for
Yxy(66.3762, 0.2828, 0.2796)
contains.

Yxy(66.3762, 0.2828, 0.2796)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.3762, 0.2828, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	D1D1FF
RGB	209, 209, 255
RGB Percent	82%, 82%, 100%
CMY	0.1806, 0.1803, 0.0000
CMYK	0.18, 0.18, 0.00, 0.00
HSL	240°, 100%, 91%
HSV	240°, 18%, 100%
XYZ	67.1359, 66.3762, 103.8849
YIQ	214.2440, -14.7660, 14.3060

Conversions

Conversions Part 2

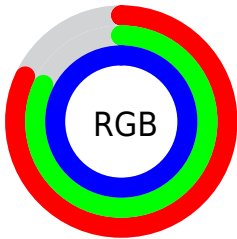
Format	Color
R _Y B	209, 209, 255
Decimal	13750783
CIE Lab	85.19, 9.13, -22.43
CIE LCh	85, 24.218, 292.158
Yxy	66.3762, 0.2828, 0.2796
Android (android.graphics.Color)	4291940863 (0xFFD1D1FF)
YUV	214.2440, 20.0927, -4.5990
Hunter-Lab	81.4716, 4.5159, -18.5709

Details

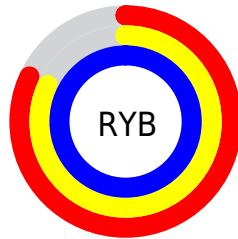
The Yxy color $66.3762, 0.2828, 0.2796$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $97.3425, 0.3400, 0.3740$, and the grayscale version is $67.2849, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.3899, 0.2757, 0.2690$ is the 20% darker color. If you saturate the color by 10%, you get $51.4382, 0.2634, 0.2475$, and if you desaturate by 10%, it is $83.9114, 0.3002, 0.3084$.

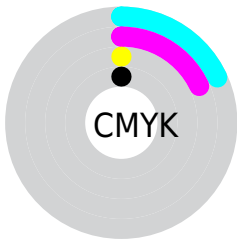
Distribution



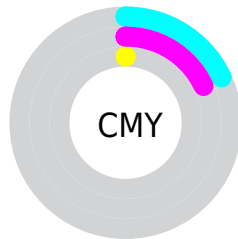
- Red (82%)
- Green (82%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3762, 0.2828, 0.2796 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 66.3762, 0.2828, 0.2796 by changing the saturation by 10% instead.

■ 66.3762, 0.2828,
0.2796

■ 66.3762, 0.2828,
0.2796

447.7211, 0.2969,
0.3022

■ 48.5779, 0.2795,
0.2745

114.0261, 0.2877,
0.2874

■ 34.2847, 0.2755,
0.2683

144.6465, 0.2896,
0.2904

■ 23.1124, 0.2703,
0.2605

180.3096, 0.2913,
0.2931

■ 14.6765, 0.2636,
0.2504

221.4000, 0.2927,
0.2954

■ 8.5927, 0.2543,
0.2369

268.3019, 0.2939,
0.2974

■ 4.4765, 0.2409,
0.2181

321.3998, 0.2950,

■ 1.9435, 0.2202,

0.2992

0.1902

381.0781, 0.2960,
0.3008

0.5743, 0.1860,
0.1390

0.0000, 0.0000,
0.0000

66.3762, 0.2828,
0.2796

66.3762, 0.2828,
0.2796

51.4382, 0.2634,
0.2475

83.9114, 0.3002,
0.3084

38.9674, 0.2423,
0.2128

100.0000, 0.3127,
0.3290

28.8333, 0.2206,
0.1768

20.8903, 0.1994,
0.1418

■ 14.9769, 0.1804,
0.1104

■ 10.9092, 0.1654,
0.0855

■ 8.4701, 0.1554,
0.0690

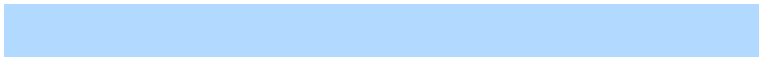
■ 7.3668, 0.1506,
0.0611

■ 7.2273, 0.1500,
0.0601

Harmonies

Analogous

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



66.3762, 0.2631, 0.2832



66.3762, 0.2828, 0.2796



66.3762, 0.3113, 0.2880

Triad

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



66.3762, 0.2828, 0.2796



66.3762, 0.3727, 0.3547



66.3762, 0.2834, 0.3533

Complementary

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



66.3762, 0.2828, 0.2796



97.3425, 0.3400, 0.3740

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.



66.3762, 0.3118, 0.3753



66.3762, 0.2828, 0.2796



66.3762, 0.3640, 0.3744

Square

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



66.3762, 0.2828, 0.2796



66.3762, 0.3644, 0.3299



66.3762, 0.3414, 0.3828



66.3762, 0.2634, 0.3247

Rectangle

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



66.3762, 0.2828, 0.2796



66.3762, 0.3318, 0.2991



66.3762, 0.3414, 0.3828



66.3762, 0.2923, 0.3619

Sweetspot

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



66.3786, 0.2828, 0.2796



89.8048, 0.3051, 0.3165



92.2397, 0.2858, 0.3297



18.9270, 0.3040, 0.3146



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.



66.3786, 0.2828, 0.2796



60.1834, 0.2754, 0.2673



69.8237, 0.2980, 0.2817



17.3816, 0.2978, 0.3044



3.7781, 0.1500, 0.0601



0.3692, 0.1501, 0.0603

Inverse Universe

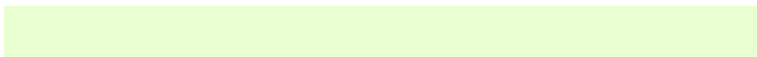
The Inverse Universe completely reimagines the original color for something new.



71.4440, 0.3479, 0.3290



66.1832, 0.3577, 0.3291



93.4022, 0.3254, 0.3762



17.9875, 0.3294, 0.3290



11.1094, 0.6399, 0.3299



1.0818, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 66.3762, 0.2828, 0.2796 looks on a white background.

Color Contrast Check

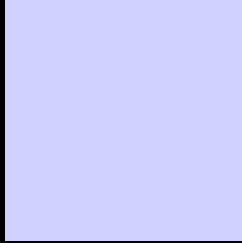
Large Text (above 18pt) WCAG AA × Fail

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 66.3762, 0.2828, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

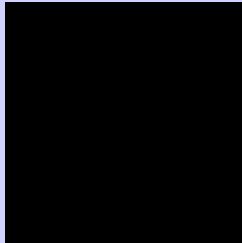
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3762, 0.2828, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 66.3762, 0.2828, 0.2796.

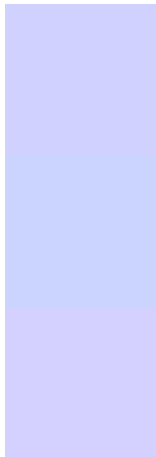


This preview shows how white text looks on a background with the Yxy color 66.3762, 0.2828, 0.2796.

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

66.3762, 0.2828, 0.2796

Protanopia

66.5050, 0.2790, 0.2813

Deuteranopia

66.3288, 0.2848, 0.2788



Tritanopia

66.1390, 0.2951, 0.3099

Trichromacy



Original Color

66.3762, 0.2828, 0.2796

Protanomaly

66.2923, 0.2803, 0.2803

Deuteranomaly

66.1806, 0.2841, 0.2787

Tritanomaly

66.4408, 0.2908, 0.2991

Monochromacy



Original Color

66.3762, 0.2828, 0.2796

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.7412, 0.3013, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3762, 0.2828, 0.2796 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(209, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 209, 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(209, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 209, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.3762, 0.2828, 0.2796 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(209, 209, 255) }
```

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

```
.border{ border-color:rgb(209, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 209, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 209, 255); box-shadow:4px 4px 4px 4px rgb(209, 209, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3762, 0.2828, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 209, 255) }
```

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

```
.background{ background-color: rgb(209,  
209, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor