

Converting Colors

$Yxy(69.8429, 0.2773, 0.2884)$

Have a look what the booklet for
Yxy(69.8429, 0.2773, 0.2884)
contains.

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Color

Yxy(69.6422, 0.2776, 0.2888)

Conversions

Conversions Part 1

Format	Color
Hex	C8DAFF
RGB	200, 218, 255
RGB Percent	78%, 85%, 100%
CMY	0.2158, 0.1451, 0.0000
CMYK	0.22, 0.15, 0.00, 0.00
HSL	220°, 100%, 89%
HSV	220°, 22%, 100%
XYZ	66.9414, 69.6422, 104.5598
YIQ	216.8360, -22.6050, 7.6910

Conversions

Conversions Part 2

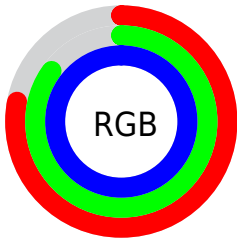
Format	Color
R _Y B	200, 214, 255
Decimal	13163263
CIE Lab	86.82, 1.66, -20.04
CIE LCh	87, 20.108, 274.748
Yxy	69.6422, 0.2776, 0.2888
Android (android.graphics.Color)	4291353343 (0xFFC8DAFF)
YUV	216.8360, 18.8149, -14.7652
Hunter-Lab	83.4519, -2.8561, -15.8701

Details

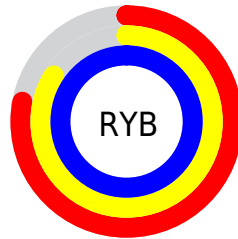
The Yxy color **69.6422, 0.2776, 0.2888** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.9803, 0.3489, 0.3661**, and the grayscale version is **69.1470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.2913, 0.2693, 0.2795** is the 20% darker color. If you saturate the color by 10%, you get **57.9823, 0.2599, 0.2669**, and if you desaturate by 10%, it is **82.8071, 0.2945, 0.3087**.

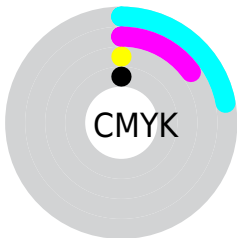
Distribution



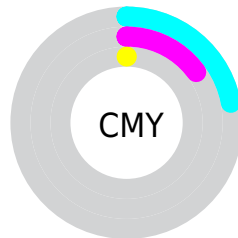
- Red (78%)
- Green (85%)
- Blue (100%)



- Red (78%)
- Yellow (84%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6422, 0.2776, 0.2888 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 69.6422, 0.2776, 0.2888 by changing the saturation by 10% instead.

■ 69.6422, 0.2776,
0.2888

■ 69.6422, 0.2776,
0.2888

459.2927, 0.2938,
0.3073

■ 51.2349, 0.2739,
0.2846

118.6984, 0.2832,
0.2952

■ 36.3956, 0.2693,
0.2795

150.1160, 0.2854,
0.2977

■ 24.7399, 0.2636,
0.2730

186.6392, 0.2873,
0.2998

■ 15.8834, 0.2561,
0.2646

228.6524, 0.2890,
0.3017

■ 9.4416, 0.2460,
0.2532

276.5400, 0.2904,
0.3034

■ 5.0304, 0.2317,
0.2373

330.6863, 0.2917,

■ 2.2651, 0.2100,

0.3048

0.2133

391.4757, 0.2928,
0.3061

0.7551, 0.1738,
0.1730

0.0000, 0.0000,
0.0000

69.6422, 0.2776,
0.2888

69.6422, 0.2776,
0.2888

57.9823, 0.2599,
0.2669

82.8071, 0.2945,
0.3087

47.7709, 0.2417,
0.2430

97.5310, 0.3103,
0.3264

38.9473, 0.2236,
0.2176

100.0000, 0.3127,
0.3290

31.4460, 0.2064,
0.1915

■ 25.1957, 0.1909,
0.1656

■ 20.1171, 0.1778,
0.1410

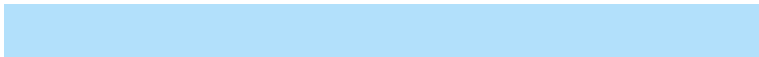
■ 16.1191, 0.1680,
0.1191

■ 13.4919, 0.1620,
0.1032

Harmonies

Analogous

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



69.6422, 0.2671, 0.2980



69.6422, 0.2776, 0.2888



69.6422, 0.2975, 0.2900

Triad

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



69.6422, 0.2776, 0.2888



69.6422, 0.3594, 0.3388



69.6422, 0.3019, 0.3602

Complementary

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



69.6422, 0.2776, 0.2888



85.9803, 0.3489, 0.3661

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.



69.6422, 0.3266, 0.3717



69.6422, 0.2776, 0.2888



69.6422, 0.3604, 0.3580

Square

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



69.6422, 0.2776, 0.2888



69.6422, 0.3452, 0.3181



69.6422, 0.3481, 0.3704



69.6422, 0.2807, 0.3393

Rectangle

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



69.6422, 0.2776, 0.2888



69.6422, 0.3139, 0.2961



69.6422, 0.3481, 0.3704



69.6422, 0.3100, 0.3653

Sweetspot

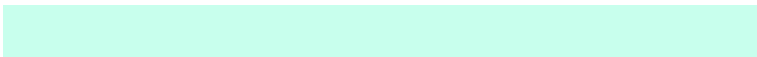
The Sweet Spot groups the original color and five complimentary colors.



69.6420, 0.2776, 0.2889



90.8243, 0.3035, 0.3188



89.8906, 0.2900, 0.3485



19.2338, 0.3025, 0.3177



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.



69.6420, 0.2776, 0.2889



64.3036, 0.2699, 0.2794



62.0944, 0.2824, 0.2696



18.3498, 0.2979, 0.3126



7.2908, 0.1628, 0.1061



0.8996, 0.1690, 0.1284

Inverse Universe

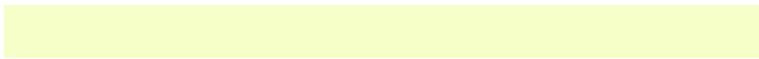
The Inverse Universe completely reimagines the original color for something new.



67.6199, 0.3425, 0.3107



62.2006, 0.3504, 0.3068



95.2510, 0.3393, 0.3841



18.0852, 0.3242, 0.3212



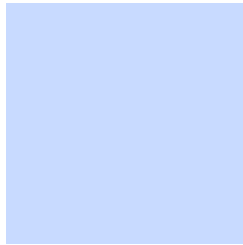
11.4640, 0.5668, 0.2896



1.1354, 0.5349, 0.2720

Previews

White Background



This preview shows how the Yxy color 69.6422, 0.2776, 0.2888 looks on a white background.

Color Contrast Check

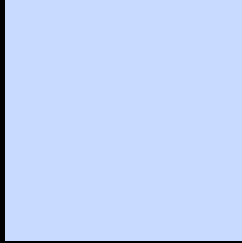
Large Text (above 18pt) WCAG AA × Fail

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 69.6422, 0.2776, 0.2888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

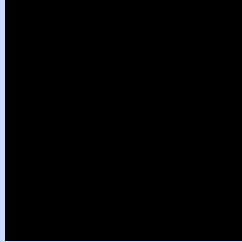
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

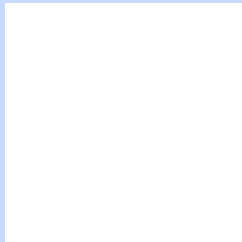
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.6422, 0.2776, 0.2888

Background



This preview shows how black text looks on a background with the Yxy color 69.6422, 0.2776, 0.2888.



This preview shows how white text looks on a background with the Yxy color 69.6422, 0.2776, 0.2888.

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

69.6422, 0.2776, 0.2888

Protanopia

69.3944, 0.2850, 0.2883

Deuteranopia

69.3670, 0.2897, 0.2838



Tritanopia

69.7563, 0.2858, 0.3100

Trichromacy



Original Color

69.6422, 0.2776, 0.2888

Protanomaly

69.3893, 0.2819, 0.2881

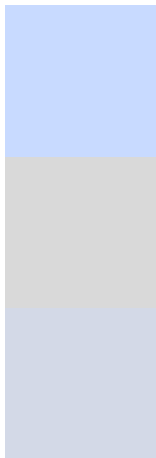
Deuteranomaly

69.3102, 0.2851, 0.2854

Tritanomaly

69.7238, 0.2829, 0.3024

Monochromacy



Original Color

69.6422, 0.2776, 0.2888

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.2441, 0.2993, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6422, 0.2776, 0.2888 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(200, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 218, 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(200, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 218, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.6422, 0.2776, 0.2888 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(200, 218, 255) }
```

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

```
.border{ border-color:rgb(200, 218, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 218,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6422, 0.2776, 0.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 218, 255) }
```

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

```
.background{ background-color: rgb(200,  
218, 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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