

Converting Colors

$Y_{xy}(70.5209, 0.2775, 0.2908)$

Have a look what the booklet for
Yxy(70.5209, 0.2775, 0.2908)
contains.

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Color

Yxy(70.6858, 0.2778, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	C8DCFF
RGB	200, 220, 255
RGB Percent	78%, 86%, 100%
CMY	0.2158, 0.1372, 0.0001
CMYK	0.22, 0.14, 0.00, 0.00
HSL	218°, 100%, 89%
HSV	218°, 22%, 100%
XYZ	67.4563, 70.6858, 104.6810
YIQ	218.0100, -23.1550, 6.6450

Conversions

Conversions Part 2

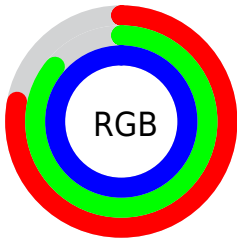
Format	Color
R_{YB}	200, 215, 255
Decimal	13163775
CIE Lab	87.33, 0.60, -19.23
CIE LCh	87, 19.244, 271.784
Yxy	70.6858, 0.2778, 0.2911
Android (android.graphics.Color)	4291353855 (0xFFC8DCFF)
YUV	218.0100, 18.2361, -15.7948
Hunter-Lab	84.0748, -3.9141, -14.9692

Details

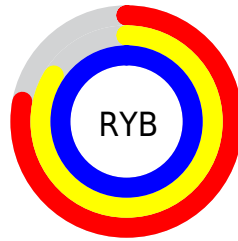
The Yxy color `70.6858, 0.2778, 0.2911` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `84.8162, 0.3493, 0.3642`, and the grayscale version is `70.0015, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `37.0072, 0.2696, 0.2824` is the 20% darker color. If you saturate the color by 10%, you get `59.3639, 0.2603, 0.2704`, and if you desaturate by 10%, it is `83.4243, 0.2946, 0.3098`.

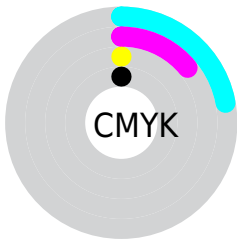
Distribution



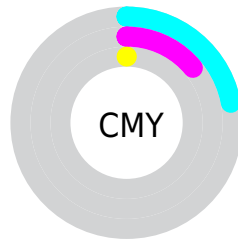
- Red (78%)
- Green (86%)
- Blue (100%)



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



- Cyan (22%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6858, 0.2778, 0.2911 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 70.6858, 0.2778, 0.2911 by changing the saturation by 10% instead.

■ 70.6858, 0.2778,
0.2911

■ 70.6858, 0.2778,
0.2911

462.9543, 0.2939,
0.3086

■ 52.0858, 0.2741,
0.2871

120.1862, 0.2834,
0.2971

■ 37.0735, 0.2696,
0.2823

151.8555, 0.2855,
0.2995

■ 25.2644, 0.2640,
0.2762

188.6500, 0.2874,
0.3015

■ 16.2742, 0.2566,
0.2682

230.9540, 0.2890,
0.3033

■ 9.7184, 0.2467,
0.2575

279.1521, 0.2905,
0.3048

■ 5.2126, 0.2327,
0.2425

333.6286, 0.2918,

■ 2.3725, 0.2115,

0.3062

0.2197

394.7679, 0.2929,
0.3074

0.8117, 0.1763,
0.1820

0.0000, 0.0000,
0.0000

70.6858, 0.2778,
0.2911

70.6858, 0.2778,
0.2911

59.3639, 0.2603,
0.2704

83.4243, 0.2946,
0.3098

49.3974, 0.2425,
0.2478

97.6200, 0.3103,
0.3266

40.7335, 0.2249,
0.2239

99.9989, 0.3127,
0.3290

33.3117, 0.2082,
0.1991

■ 27.0662, 0.1931,
0.1743

■ 21.9238, 0.1804,
0.1505

■ 17.8003, 0.1706,
0.1288

■ 15.0228, 0.1646,
0.1127

Harmonies

Analogous

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



70.6858, 0.2688, 0.3009



70.6858, 0.2778, 0.2911



70.6858, 0.2961, 0.2912

Triad

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



70.6858, 0.2778, 0.2911



70.6858, 0.3563, 0.3364



70.6858, 0.3047, 0.3602

Complementary

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



70.6858, 0.2778, 0.2911



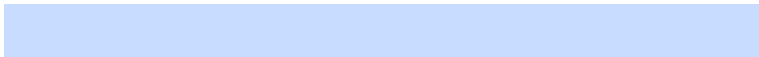
84.8162, 0.3493, 0.3642

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.



70.6858, 0.3282, 0.3700



70.6858, 0.2778, 0.2911



70.6858, 0.3586, 0.3551

Square

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



70.6858, 0.2778, 0.2911



70.6858, 0.3418, 0.3168



70.6858, 0.3481, 0.3677



70.6858, 0.2839, 0.3410

Rectangle

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



70.6858, 0.2778, 0.2911



70.6858, 0.3115, 0.2965



70.6858, 0.3481, 0.3677



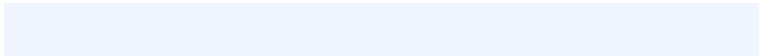
70.6858, 0.3125, 0.3647

Sweetspot

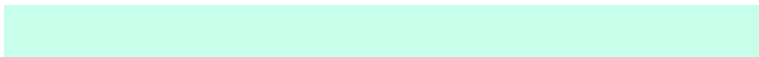
The Sweet Spot groups the original color and five complimentary colors.



70.6887, 0.2778, 0.2911



91.1622, 0.3035, 0.3194



89.7739, 0.2910, 0.3504



19.3135, 0.3024, 0.3183



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.



70.6887, 0.2778, 0.2911



65.5109, 0.2701, 0.2822



61.8302, 0.2812, 0.2694



18.4607, 0.2979, 0.3135



8.1090, 0.1655, 0.1157



0.9887, 0.1717, 0.1381

Inverse Universe

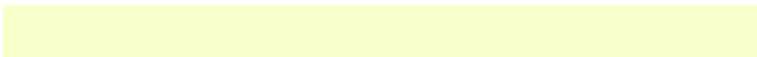
The Inverse Universe completely reimagines the original color for something new.



67.7252, 0.3410, 0.3087



62.3225, 0.3485, 0.3043



95.5713, 0.3405, 0.3839



18.0964, 0.3237, 0.3204



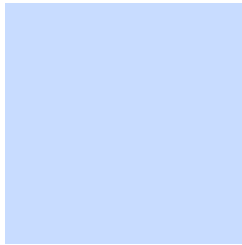
11.5466, 0.5528, 0.2819



1.1444, 0.5216, 0.2647

Previews

White Background



This preview shows how the Yxy color 70.6858, 0.2778, 0.2911 looks on a white background.

Color Contrast Check

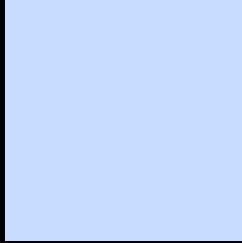
Large Text (above 18pt) WCAG AA × Fail

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 70.6858, 0.2778, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

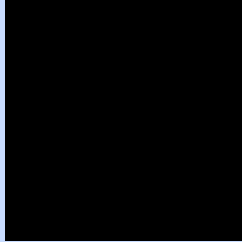
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

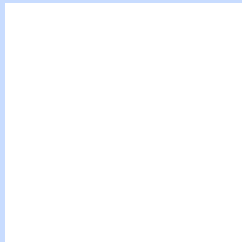
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.6858, 0.2778, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 70.6858, 0.2778, 0.2911.

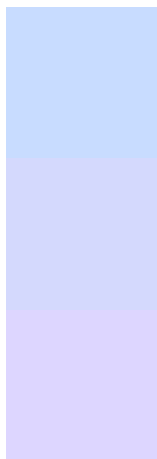


This preview shows how white text looks on a background with the Yxy color 70.6858, 0.2778, 0.2911.

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

70.6858, 0.2778, 0.2911

Protanopia

70.7146, 0.2864, 0.2906

Deuteranopia

70.6853, 0.2911, 0.2861



Tritanopia

70.9369, 0.2847, 0.3101

Trichromacy



Original Color

70.6858, 0.2778, 0.2911

Protanomaly

70.7085, 0.2833, 0.2904

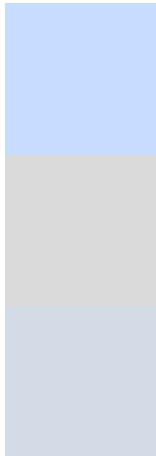
Deuteranomaly

70.4779, 0.2859, 0.2876

Tritanomaly

70.8409, 0.2824, 0.3036

Monochromacy



Original Color

70.6858, 0.2778, 0.2911

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.2814, 0.2993, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6858, 0.2778, 0.2911 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, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 220, 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, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.6858, 0.2778, 0.2911 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, 220, 255) }
```

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

```
.border{ border-color:rgb(200, 220, 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, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6858, 0.2778, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 220, 255) }
```

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

```
.background{ background-color: rgb(200,  
220, 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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