

Converting Colors

$Yxy(70.2685, 0.2788, 0.2956)$

Have a look what the booklet for
Yxy(70.2685, 0.2788, 0.2956)
contains.

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Color

Yxy(70.1572, 0.2788, 0.2951)

Conversions

Conversions Part 1

Format	Color
Hex	C6DCFB
RGB	198, 220, 251
RGB Percent	78%, 86%, 98%
CMY	0.2237, 0.1372, 0.0157
CMYK	0.21, 0.12, 0.00, 0.02
HSL	215°, 87%, 88%
HSV	215°, 21%, 98%
XYZ	66.2820, 70.1572, 101.3012
YIQ	216.9560, -23.0630, 4.9770

Conversions

Conversions Part 2

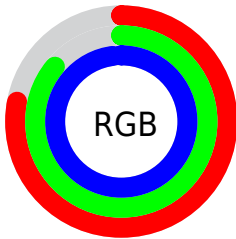
Format	Color
R _Y B	198, 214, 251
Decimal	13032699
CIE Lab	87.07, -0.89, -17.53
CIE LCh	87, 17.555, 267.091
Yxy	70.1572, 0.2788, 0.2951
Android (android.graphics.Color)	4291222779 (0xFFC6DCFB)
YUV	216.9560, 16.7837, -16.6244
Hunter-Lab	83.7599, -5.3267, -13.0748

Details

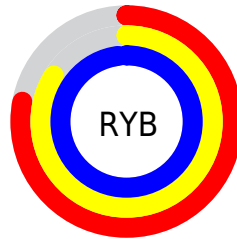
The Yxy color `70.1572, 0.2788, 0.2951` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `80.5725, 0.3490, 0.3607`, and the grayscale version is `69.2469, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.6449, 0.2708, 0.2875` is the 20% darker color. If you saturate the color by 10%, you get `59.6696, 0.2617, 0.2763`, and if you desaturate by 10%, it is `81.8899, 0.2953, 0.3122`.

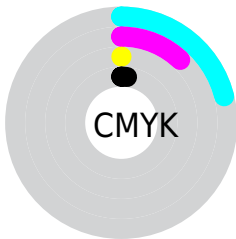
Distribution



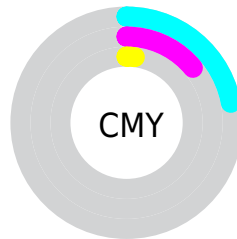
- Red (78%)
- Green (86%)
- Blue (98%)



- Red (78%)
- Yellow (84%)
- Blue (98%)



- Cyan (21%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)



- Cyan (22%)
- Magenta (14%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1572, 0.2788, 0.2951 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 70.1572, 0.2788, 0.2951 by changing the saturation by 10% instead.

■ 70.1572, 0.2788,
0.2951

■ 70.1572, 0.2788,
0.2951

461.1018, 0.2945,
0.3108

■ 51.6547, 0.2752,
0.2915

119.4329, 0.2842,
0.3005

■ 36.7299, 0.2709,
0.2871

150.9749, 0.2863,
0.3027

■ 24.9984, 0.2653,
0.2815

187.6322, 0.2882,
0.3045

■ 16.0759, 0.2581,
0.2743

229.7892, 0.2897,
0.3061

■ 9.5779, 0.2484,
0.2644

277.8302, 0.2911,
0.3075

■ 5.1200, 0.2346,
0.2504

332.1397, 0.2924,

■ 2.3178, 0.2136,

0.3087

0.2290

393.1021, 0.2935,
0.3098

0.7831, 0.1776,
0.1925

0.0000, 0.0000,
0.0000

70.1572, 0.2788,
0.2951

70.1572, 0.2788,
0.2951

59.6696, 0.2617,
0.2763

81.8899, 0.2953,
0.3122

50.3734, 0.2444,
0.2558

94.9015, 0.3110,
0.3274

42.2234, 0.2275,
0.2339

99.7441, 0.3150,
0.3328

35.1677, 0.2114,
0.2111

■ 29.1497, 0.1969,
0.1881

■ 24.1060, 0.1847,
0.1657

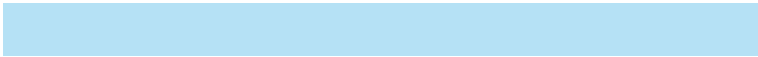
■ 19.9639, 0.1751,
0.1447

■ 16.9549, 0.1688,
0.1278

Harmonies

Analogous

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



70.1572, 0.2721, 0.3055



70.1572, 0.2788, 0.2951



70.1572, 0.2945, 0.2937

Triad

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



70.1572, 0.2788, 0.2951



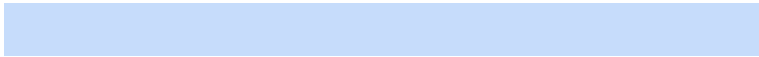
70.1572, 0.3511, 0.3330



70.1572, 0.3088, 0.3595

Complementary

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



70.1572, 0.2788, 0.2951



80.5725, 0.3490, 0.3607

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.



70.1572, 0.3302, 0.3668



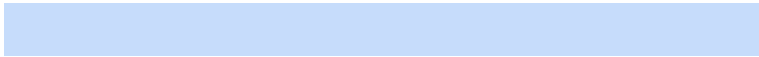
70.1572, 0.2788, 0.2951



70.1572, 0.3551, 0.3505

Square

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



70.1572, 0.2788, 0.2951



70.1572, 0.3365, 0.3152



70.1572, 0.3473, 0.3632



70.1572, 0.2890, 0.3431

Rectangle

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



70.1572, 0.2788, 0.2951



70.1572, 0.3082, 0.2977



70.1572, 0.3473, 0.3632



70.1572, 0.3160, 0.3631

Sweetspot

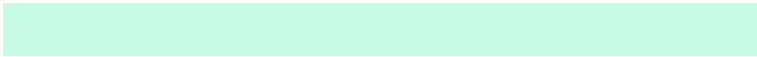
The Sweet Spot groups the original color and five complimentary colors.



70.1601, 0.2788, 0.2951



91.6452, 0.3035, 0.3202



86.6345, 0.2928, 0.3529



19.4275, 0.3024, 0.3192



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.



70.1601, 0.2788, 0.2951



68.3573, 0.2722, 0.2880



59.9375, 0.2801, 0.2705



17.8298, 0.2979, 0.3148



9.1851, 0.1697, 0.1308



1.0545, 0.1762, 0.1541

Inverse Universe

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



66.0400, 0.3381, 0.3064



63.6812, 0.3440, 0.3020



92.7548, 0.3417, 0.3824



17.3450, 0.3228, 0.3192



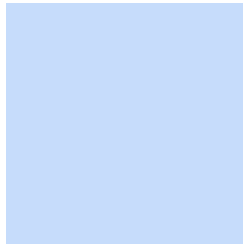
11.3381, 0.5315, 0.2702



1.0707, 0.5006, 0.2531

Previews

White Background



This preview shows how the Yxy color 70.1572, 0.2788, 0.2951 looks on a white background.

Color Contrast Check

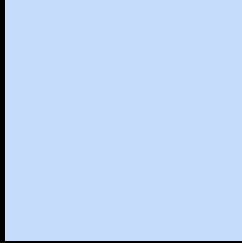
Large Text (above 18pt) WCAG AA × Fail

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 70.1572, 0.2788, 0.2951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

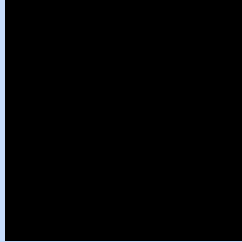
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

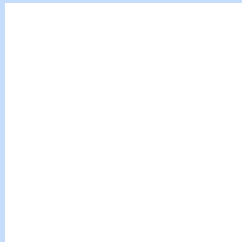
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.1572, 0.2788, 0.2951

Background



This preview shows how black text looks on a background with the Yxy color 70.1572, 0.2788, 0.2951.



This preview shows how white text looks on a background with the Yxy color 70.1572, 0.2788, 0.2951.

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

70.1572, 0.2788, 0.2951

Protanopia

69.8861, 0.2894, 0.2946

Deuteranopia

69.7084, 0.2929, 0.2860



Tritanopia

70.2696, 0.2840, 0.3089

Trichromacy



Original Color

70.1572, 0.2788, 0.2951

Protanomaly

69.7307, 0.2855, 0.2944

Deuteranomaly

69.7753, 0.2876, 0.2895

Tritanomaly

70.1149, 0.2823, 0.3035

Monochromacy



Original Color

70.1572, 0.2788, 0.2951

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.5016, 0.2999, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1572, 0.2788, 0.2951 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(198, 220, 251)` looks like.

```
.text, #text, p{  
    color:rgb(198, 220, 251)  
}
```

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(198, 220, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 220, 251) }
```

Border

The CSS property to change the border of an element to Yxy 70.1572, 0.2788, 0.2951 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(198, 220, 251) }
```

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

```
.border{ border-color:rgb(198, 220, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 220, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 220, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 220, 251);  
box-shadow:4px 4px 4px 4px rgb(198, 220,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1572, 0.2788, 0.2951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 220, 251) }
```

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

```
.background{ background-color: rgb(198,  
220, 251) }
```

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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