

Converting Colors

$Yxy(70.0056, 0.2878, 0.3180)$

Have a look what the booklet for
Yxy(70.0056, 0.2878, 0.3180)
contains.

Yxy(70.2036, 0.2882, 0.3188)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.2036, 0.2882, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	C3DFE8
RGB	195, 223, 232
RGB Percent	76%, 87%, 91%
CMY	0.2351, 0.1255, 0.0902
CMYK	0.16, 0.04, 0.00, 0.09
HSL	195°, 45%, 84%
HSV	195°, 16%, 91%
XYZ	63.4651, 70.2036, 86.5433
YIQ	215.6540, -19.5770, -3.1370

Conversions

Conversions Part 2

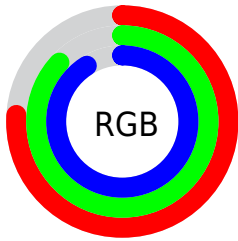
Format	Color
R _Y B	195, 211, 232
Decimal	12836840
CIE Lab	87.10, -7.36, -7.51
CIE LCh	87, 10.516, 225.573
Yxy	70.2036, 0.2882, 0.3188
Android (android.graphics.Color)	4291026920 (0xFFC3DFE8)
YUV	215.6540, 8.0586, -18.1136
Hunter-Lab	83.7876, -11.4230, -2.5887

Details

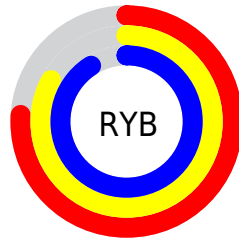
The Yxy color **70.2036, 0.2882, 0.3188** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.2999, 0.3413, 0.3390**, and the grayscale version is **68.3815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **36.8026, 0.2828, 0.3171** is the 20% darker color. If you saturate the color by 10%, you get **64.3836, 0.2732, 0.3116**, and if you desaturate by 10%, it is **76.6102, 0.3036, 0.3254**.

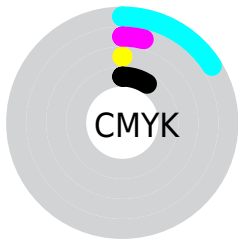
Distribution



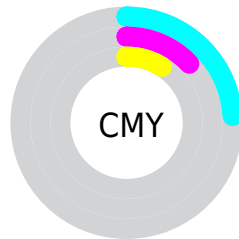
- Red (76%)
- Green (87%)
- Blue (91%)



- Red (76%)
- Yellow (83%)
- Blue (91%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (24%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2036, 0.2882, 0.3188 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 70.2036, 0.2882, 0.3188 by changing the saturation by 10% instead.

70.2036, 0.2882,
0.3188

70.2036, 0.2882,
0.3188

461.2646, 0.2995,
0.3237

51.6925, 0.2856,
0.3177

119.4991, 0.2921,
0.3205

36.7601, 0.2824,
0.3162

151.0522, 0.2937,
0.3212

25.0218, 0.2784,
0.3144

187.7216, 0.2950,
0.3217

16.0933, 0.2731,
0.3120

229.8915, 0.2961,
0.3222

9.5902, 0.2659,
0.3085

277.9463, 0.2971,
0.3226

5.1281, 0.2555,
0.3035

332.2705, 0.2980,

2.3226, 0.2393,

0.3230

0.2951

393.2485, 0.2988,
0.3234

0.7856, 0.2028,
0.2810

0.0000, 0.0000,
0.0000

70.2036, 0.2882,
0.3188

70.2036, 0.2882,
0.3188

64.3836, 0.2732,
0.3116

76.6102, 0.3036,
0.3254

59.1185, 0.2588,
0.3038

83.6164, 0.3190,
0.3314

54.3863, 0.2455,
0.2956

89.3713, 0.3277,
0.3368

50.1601, 0.2335,
0.2869

92.7479, 0.3271,
0.3423

■ 46.4101, 0.2231,
0.2779

■ 96.2289, 0.3266,
0.3477

■ 43.1028, 0.2146,
0.2688

■ 98.6058, 0.3262,
0.3513

■ 40.1993, 0.2081,
0.2597

■ 37.6517, 0.2035,
0.2507

■ 36.6844, 0.2020,
0.2470

Harmonies

Analogous

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



70.2036, 0.2929, 0.3302



70.2036, 0.2882, 0.3188



70.2036, 0.2899, 0.3105

Triad

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



70.2036, 0.2882, 0.3188



70.2036, 0.3224, 0.3170



70.2036, 0.3277, 0.3514

Complementary

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



70.2036, 0.2882, 0.3188



64.2999, 0.3413, 0.3390

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.



70.2036, 0.3359, 0.3473



70.2036, 0.2882, 0.3188



70.2036, 0.3329, 0.3274

Square

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



70.2036, 0.2882, 0.3188



70.2036, 0.3095, 0.3097



70.2036, 0.3379, 0.3384



70.2036, 0.3155, 0.3494

Rectangle

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



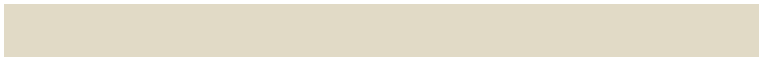
70.2036, 0.2882, 0.3188



70.2036, 0.2945, 0.3077



70.2036, 0.3379, 0.3384



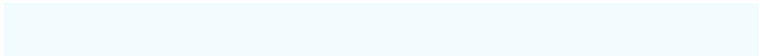
70.2036, 0.3310, 0.3507

Sweetspot

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



70.2065, 0.2882, 0.3188



95.6969, 0.3050, 0.3260



73.6602, 0.3054, 0.3615



20.3569, 0.3039, 0.3255



0.0000, 0.0000, 0.0000



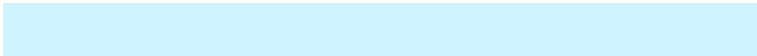
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.2065, 0.2882, 0.3188



84.6439, 0.2834, 0.3166



61.0453, 0.2873, 0.2979



15.7106, 0.2981, 0.3231



20.5737, 0.2024, 0.2485



1.6628, 0.2060, 0.2616

Inverse Universe

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



61.5303, 0.3212, 0.2989



72.1513, 0.3231, 0.2927



73.4130, 0.3382, 0.3583



14.5521, 0.3175, 0.3114



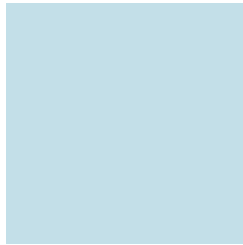
11.2746, 0.3938, 0.1943



0.8475, 0.3808, 0.1872

Previews

White Background



This preview shows how the Yxy color 70.2036, 0.2882, 0.3188 looks on a white background.

Color Contrast Check

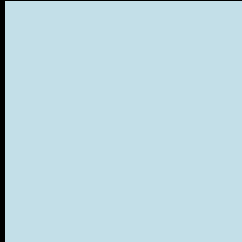
Large Text (above 18pt) WCAG AA × Fail

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 70.2036, 0.2882, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

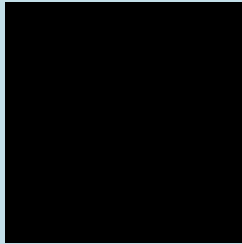
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

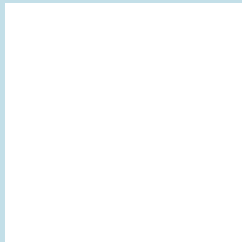
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2036, 0.2882, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 70.2036, 0.2882, 0.3188.

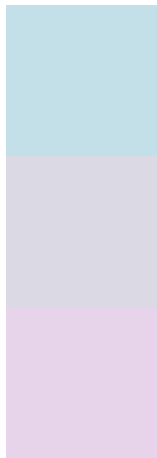


This preview shows how white text looks on a background with the Yxy color 70.2036, 0.2882, 0.3188.

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

70.2036, 0.2882, 0.3188

Protanopia

70.2872, 0.3069, 0.3170

Deuteranopia

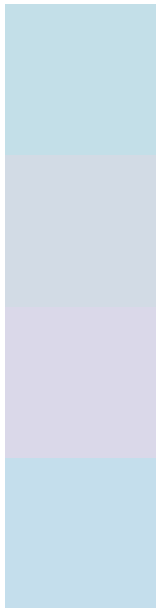
70.0164, 0.3116, 0.3058



Tritanopia

70.2103, 0.2846, 0.3100

Trichromacy



Original Color

70.2036, 0.2882, 0.3188

Protanomaly

70.0218, 0.2999, 0.3179

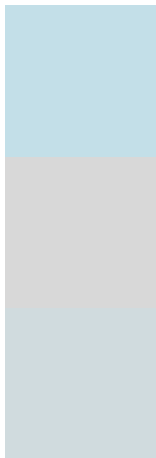
Deuteranomaly

69.9004, 0.3029, 0.3106

Tritanomaly

70.0344, 0.2864, 0.3133

Monochromacy



Original Color

70.2036, 0.2882, 0.3188

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.3469, 0.3030, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2036, 0.2882, 0.3188 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(195, 223, 232)` looks like.

```
.text, #text, p{  
    color:rgb(195, 223, 232)  
}
```

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(195, 223, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 223, 232) }
```

Border

The CSS property to change the border of an element to Yxy 70.2036, 0.2882, 0.3188 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(195, 223, 232) }
```

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

```
.border{ border-color:rgb(195, 223, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 223, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 223, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 223, 232); box-shadow:4px 4px 4px 4px rgb(195, 223, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2036, 0.2882, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 223, 232) }
```

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

```
.background{ background-color: rgb(195,  
223, 232) }
```

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