

Converting Colors

$Yxy(68.8481, 0.2772, 0.3085)$

Have a look what the booklet for
Yxy(68.8481, 0.2772, 0.3085)
contains.

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Color

Yxy(68.8481, 0.2772, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	B9DEF0
RGB	185, 222, 240
RGB Percent	73%, 87%, 94%
CMY	0.2743, 0.1294, 0.0589
CMYK	0.23, 0.07, 0.00, 0.06
HSL	200°, 65%, 83%
HSV	200°, 23%, 94%
XYZ	61.8629, 68.8481, 92.4595
YIQ	212.9890, -27.8300, -2.2460

Conversions

Conversions Part 2

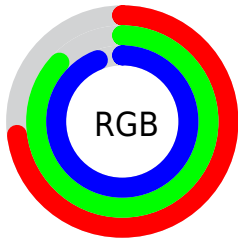
Format	Color
R _Y B	185, 207, 240
Decimal	12181232
CIE Lab	86.43, -8.19, -12.79
CIE LCh	86, 15.188, 237.362
Yxy	68.8481, 0.2772, 0.3085
Android (android.graphics.Color)	4290371312 (0xFFB9DEF0)
YUV	212.9890, 13.3164, -24.5464
Hunter-Lab	82.9748, -12.1229, -7.9851

Details

The Yxy color **68.8481, 0.2772, 0.3085** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64.7580, 0.3556, 0.3486**, and the grayscale version is **66.4610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **35.9234, 0.2689, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **62.0347, 0.2620, 0.2981**, and if you desaturate by 10%, it is **76.3655, 0.2927, 0.3180**.

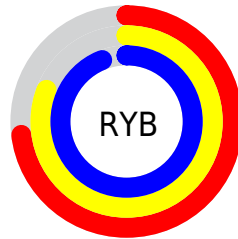
Distribution



Red (73%)

Green (87%)

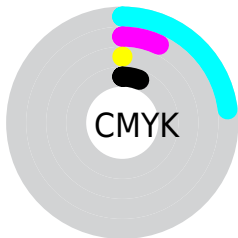
Blue (94%)



Red (73%)

Yellow (81%)

Blue (94%)

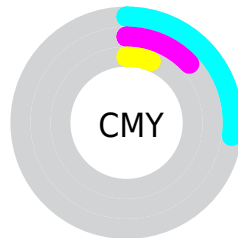


Cyan (23%)

Magenta (7%)

Yellow (0%)

Black (6%)



Cyan (27%)

Magenta (13%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8481, 0.2772, 0.3085 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 68.8481, 0.2772, 0.3085 by changing the saturation by 10% instead.

■ 68.8481, 0.2772,
0.3085

■ 68.8481, 0.2772,
0.3085

456.4951, 0.2936,
0.3182

■ 50.5880, 0.2735,
0.3062

■ 117.5646, 0.2829,
0.3119

■ 35.8808, 0.2689,
0.3034

148.7898, 0.2851,
0.3132

■ 24.3422, 0.2630,
0.2997

185.1055, 0.2870,
0.3144

■ 15.5876, 0.2554,
0.2949

226.8960, 0.2887,
0.3154

■ 9.2328, 0.2452,
0.2882

274.5459, 0.2901,
0.3162

■ 4.8934, 0.2305,
0.2782

328.4394, 0.2914,

■ 2.1848, 0.2080,

0.3170

0.2623

388.9610, 0.2926,
0.3176

0.7117, 0.1566,
0.2339

0.0000, 0.0000,
0.0000

68.8481, 0.2772,
0.3085

68.8481, 0.2772,
0.3085

62.0347, 0.2620,
0.2981

76.3655, 0.2927,
0.3180

55.8891, 0.2474,
0.2870

84.6047, 0.3083,
0.3267

50.3838, 0.2339,
0.2751

93.2041, 0.3222,
0.3344

45.4861, 0.2218,
0.2628

98.0761, 0.3216,
0.3420

■ 41.1590, 0.2115,
0.2502

■ 99.0708, 0.3214,
0.3434

■ 37.3605, 0.2031,
0.2376

■ 34.0404, 0.1969,
0.2251

■ 31.9195, 0.1934,
0.2163

Harmonies

Analogous

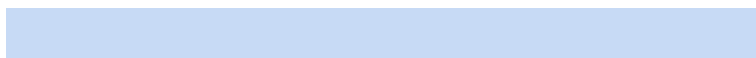
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.8481, 0.2803, 0.3237



68.8481, 0.2772, 0.3085



68.8481, 0.2832, 0.2994

Triad

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



68.8481, 0.2772, 0.3085



68.8481, 0.3335, 0.3171



68.8481, 0.3278, 0.3618

Complementary

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



68.8481, 0.2772, 0.3085



64.7580, 0.3556, 0.3486

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.



68.8481, 0.3427, 0.3589



68.8481, 0.2772, 0.3085



68.8481, 0.3462, 0.3328

Square

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



68.8481, 0.2772, 0.3085



68.8481, 0.3154, 0.3046



68.8481, 0.3495, 0.3480



68.8481, 0.3092, 0.3553

Rectangle

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



68.8481, 0.2772, 0.3085



68.8481, 0.2917, 0.2977



68.8481, 0.3495, 0.3480



68.8481, 0.3334, 0.3618

Sweetspot

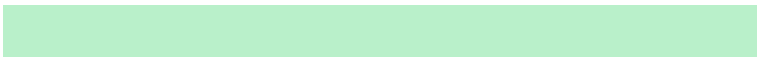
The Sweet Spot groups the original color and five complimentary colors.



68.8509, 0.2772, 0.3085



93.0971, 0.3019, 0.3232



76.9204, 0.2996, 0.3724



19.8034, 0.3009, 0.3227



0.0000, 0.0000, 0.0000



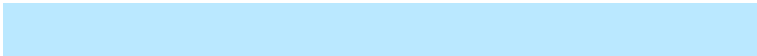
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8509, 0.2772, 0.3085



75.6460, 0.2708, 0.3043



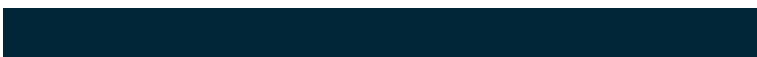
55.6923, 0.2747, 0.2767



17.0056, 0.2981, 0.3211



17.7274, 0.1940, 0.2183



1.6554, 0.1985, 0.2346

Inverse Universe

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



58.5129, 0.3293, 0.2898



62.2930, 0.3330, 0.2824



78.5765, 0.3495, 0.3763



15.9382, 0.3188, 0.3132



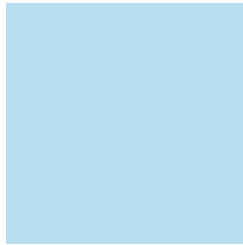
11.5829, 0.4250, 0.2115



0.9818, 0.4078, 0.2020

Previews

White Background



This preview shows how the Yxy color 68.8481, 0.2772, 0.3085 looks on a white background.

Color Contrast Check

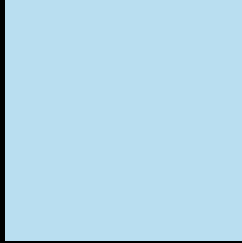
Large Text (above 18pt) WCAG AA × Fail

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 68.8481, 0.2772, 0.3085 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 68.8481, 0.2772, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 68.8481, 0.2772, 0.3085.



This preview shows how white text looks on a background with the Yxy color 68.8481, 0.2772, 0.3085.

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

68.8481, 0.2772, 0.3085

Protanopia

68.3874, 0.2988, 0.3061

Deuteranopia

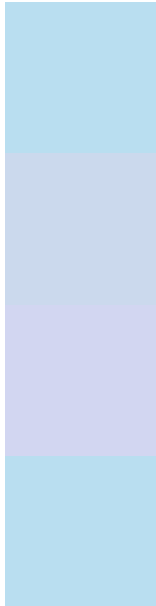
68.3513, 0.3013, 0.2950



Tritanopia

68.8481, 0.2772, 0.3085

Trichromacy



Original Color

68.8481, 0.2772, 0.3085

Protanomaly

68.4366, 0.2901, 0.3068

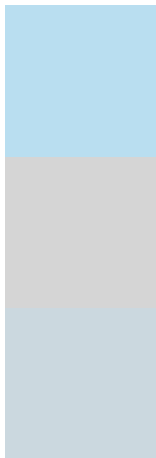
Deuteranomaly

68.1456, 0.2923, 0.2995

Tritanomaly

68.8481, 0.2772, 0.3085

Monochromacy



Original Color

68.8481, 0.2772, 0.3085

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.1360, 0.2989, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8481, 0.2772, 0.3085 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(185, 222, 240)` looks like.

```
.text, #text, p{  
    color:rgb(185, 222, 240)  
}
```

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(185, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 222, 240) }
```

Border

The CSS property to change the border of an element to Yxy 68.8481, 0.2772, 0.3085 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(185, 222, 240) }
```

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

```
.border{ border-color:rgb(185, 222, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 222, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(185, 222,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8481, 0.2772, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 222, 240) }
```

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

```
.background{ background-color: rgb(185,  
222, 240) }
```

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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