

Converting Colors

$Yxy(69.0373, 0.2780, 0.3051)$

Have a look what the booklet for
Yxy(69.0373, 0.2780, 0.3051)
contains.

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Color

Yxy(68.9425, 0.2784, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	BDDDF2
RGB	189, 221, 242
RGB Percent	74%, 87%, 95%
CMY	0.2589, 0.1333, 0.0509
CMYK	0.22, 0.09, 0.00, 0.05
HSL	204°, 67%, 85%
HSV	204°, 22%, 95%
XYZ	62.8680, 68.9425, 94.0084
YIQ	213.8260, -25.8130, -0.2530

Conversions

Conversions Part 2

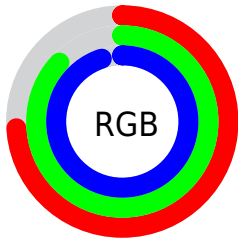
Format	Color
RYB	189, 209, 242
Decimal	12443122
CIELab	86.48, -6.06, -13.76
CIELCh	86, 15.036, 246.236
Yxy	68.9425, 0.2784, 0.3053
Android (android.graphics.Color)	4290633202 (0xFFBDDDF2)
YUV	213.8260, 13.8898, -21.7724
Hunter-Lab	83.0316, -10.1528, -9.0060

Details

The Yxy color **68.9425, 0.2784, 0.3053** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68.6424, 0.3526, 0.3516**, and the grayscale version is **67.0402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **35.9685, 0.2704, 0.2994** is the 20% darker color. If you saturate the color by 10%, you get **61.1854, 0.2627, 0.2927**, and if you desaturate by 10%, it is **77.5107, 0.2942, 0.3168**.

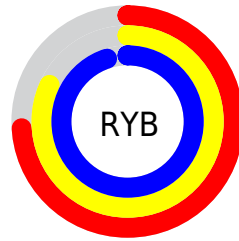
Distribution



Red (74%)

Green (87%)

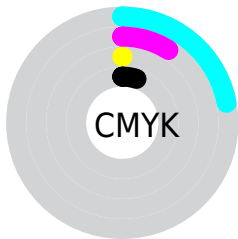
Blue (95%)



Red (74%)

Yellow (82%)

Blue (95%)

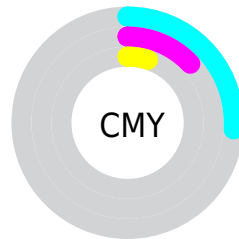


Cyan (22%)

Magenta (9%)

Yellow (0%)

Black (5%)



Cyan (26%)

Magenta (13%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9425, 0.2784, 0.3053 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 68.9425, 0.2784, 0.3053 by changing the saturation by 10% instead.

68.9425, 0.2784,
0.3053

68.9425, 0.2784,
0.3053

456.8282, 0.2943,
0.3165

50.6649, 0.2748,
0.3027

117.6994, 0.2839,
0.3092

35.9420, 0.2703,
0.2995

148.9476, 0.2860,
0.3107

24.3894, 0.2647,
0.2953

185.2880, 0.2879,
0.3120

15.6227, 0.2574,
0.2899

227.1051, 0.2895,
0.3132

9.2576, 0.2474,
0.2824

274.7832, 0.2909,
0.3141

4.9096, 0.2332,
0.2714

328.7069, 0.2921,

2.1943, 0.2114,

0.3150

0.2540

389.2604, 0.2933,
0.3158

0.7169, 0.1656,
0.2226

0.0000, 0.0000,
0.0000

68.9425, 0.2784,
0.3053

68.9425, 0.2784,
0.3053

61.1854, 0.2627,
0.2927

77.5107, 0.2942,
0.3168

54.2005, 0.2473,
0.2791

86.9101, 0.3098,
0.3271

47.9582, 0.2328,
0.2647

95.8992, 0.3207,
0.3365

42.4226, 0.2196,
0.2496

99.1917, 0.3203,
0.3415

■ 37.5544, 0.2080,
0.2341

■ 33.3090, 0.1984,
0.2186

■ 29.6333, 0.1911,
0.2033

■ 27.0136, 0.1865,
0.1913

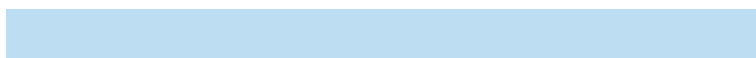
Harmonies

Analogous

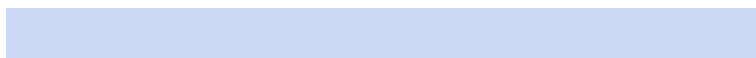
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9425, 0.2788, 0.3189



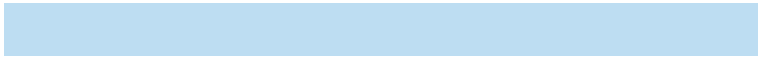
68.9425, 0.2784, 0.3053



68.9425, 0.2869, 0.2985

Triad

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



68.9425, 0.2784, 0.3053



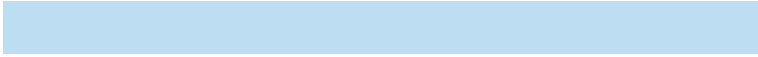
68.9425, 0.3378, 0.3216



68.9425, 0.3224, 0.3605

Complementary

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



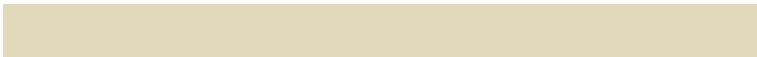
68.9425, 0.2784, 0.3053



68.6424, 0.3526, 0.3516

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.



68.9425, 0.3387, 0.3603



68.9425, 0.2784, 0.3053



68.9425, 0.3479, 0.3374

Square

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



68.9425, 0.2784, 0.3053



68.9425, 0.3210, 0.3080



68.9425, 0.3482, 0.3516



68.9425, 0.3038, 0.3515

Rectangle

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



68.9425, 0.2784, 0.3053



68.9425, 0.2966, 0.2984



68.9425, 0.3482, 0.3516



68.9425, 0.3283, 0.3615

Sweetspot

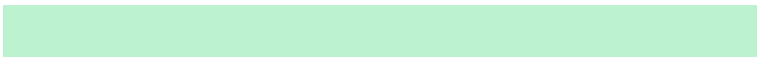
The Sweet Spot groups the original color and five complimentary colors.



68.9453, 0.2784, 0.3053



92.3415, 0.3019, 0.3220



78.9487, 0.2982, 0.3662



19.6283, 0.3009, 0.3214



0.0000, 0.0000, 0.0000



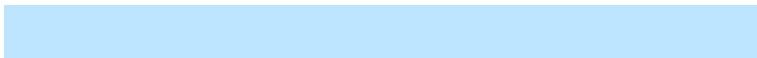
21.4041, 0.3127, 0.3290

Same Dimension

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



68.9453, 0.2784, 0.3053



73.8931, 0.2718, 0.3002



56.3357, 0.2762, 0.2751



16.8169, 0.2980, 0.3194



14.7842, 0.1872, 0.1938



1.4235, 0.1926, 0.2134

Inverse Universe

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



60.4893, 0.3313, 0.2953



63.1687, 0.3357, 0.2886



82.4450, 0.3471, 0.3777



15.9192, 0.3199, 0.3148



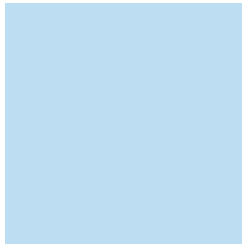
11.2858, 0.4524, 0.2266



0.9584, 0.4303, 0.2144

Previews

White Background



This preview shows how the Yxy color 68.9425, 0.2784, 0.3053 looks on a white background.

Color Contrast Check

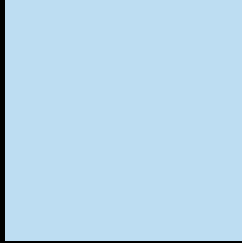
Large Text (above 18pt) WCAG AA × Fail

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 68.9425, 0.2784, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

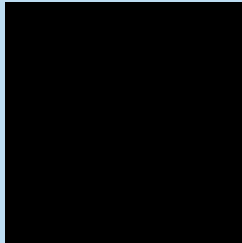
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

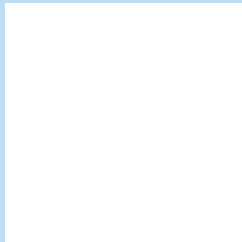
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9425, 0.2784, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 68.9425, 0.2784, 0.3053.



This preview shows how white text looks on a background with the Yxy color 68.9425, 0.2784, 0.3053.

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

68.9425, 0.2784, 0.3053

Protanopia

68.9201, 0.2963, 0.3040

Deuteranopia

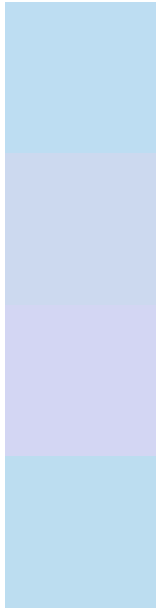
68.4721, 0.3000, 0.2930



Tritanopia

68.6363, 0.2795, 0.3086

Trichromacy



Original Color

68.9425, 0.2784, 0.3053

Protanomaly

68.6951, 0.2896, 0.3047

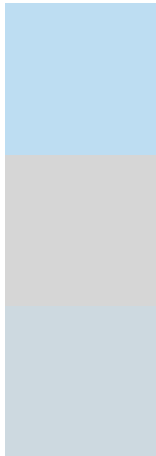
Deuteranomaly

68.4131, 0.2917, 0.2975

Tritanomaly

68.6955, 0.2789, 0.3075

Monochromacy



Original Color

68.9425, 0.2784, 0.3053

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.9867, 0.2996, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9425, 0.2784, 0.3053 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(189, 221, 242)` looks like.

```
.text, #text, p{  
    color:rgb(189, 221, 242)  
}
```

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(189, 221, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 221, 242) }
```

Border

The CSS property to change the border of an element to Yxy 68.9425, 0.2784, 0.3053 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(189, 221, 242) }
```

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

```
.border{ border-color:rgb(189, 221, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 221, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 221, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 221, 242);  
box-shadow:4px 4px 4px 4px rgb(189, 221,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9425, 0.2784, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 221, 242) }
```

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

```
.background{ background-color: rgb(189,  
221, 242) }
```

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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