

Converting Colors

$Yxy(65.9929, 0.2669, 0.3089)$

Have a look what the booklet for
Yxy(65.9929, 0.2669, 0.3089)
contains.

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Color

Yxy(65.9929, 0.2669, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	A6DDEE
RGB	166, 221, 238
RGB Percent	65%, 87%, 93%
CMY	0.3489, 0.1333, 0.0666
CMYK	0.30, 0.07, 0.00, 0.07
HSL	194°, 68%, 79%
HSV	194°, 30%, 93%
XYZ	57.0201, 65.9929, 90.6254
YIQ	206.4930, -38.2370, -6.3730

Conversions

Conversions Part 2

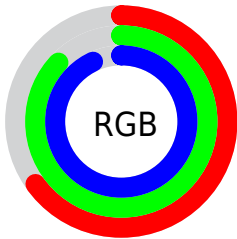
Format	Color
R _{YB}	166, 197, 238
Decimal	10935790
CIE Lab	84.99, -13.62, -14.01
CIE LCh	85, 19.534, 225.804
Yxy	65.9929, 0.2669, 0.3089
Android (android.graphics.Color)	4289125870 (0xFFA6DDEE)
YUV	206.4930, 15.5330, -35.5124
Hunter-Lab	81.2360, -16.8727, -9.2776

Details

The Yxy color **65.9929, 0.2669, 0.3089** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8168, 0.3753, 0.3481**, and the grayscale version is **61.9761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **34.0946, 0.2564, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **60.7358, 0.2530, 0.3011**, and if you desaturate by 10%, it is **71.8308, 0.2816, 0.3161**.

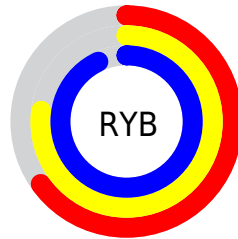
Distribution



Red (65%)

Green (87%)

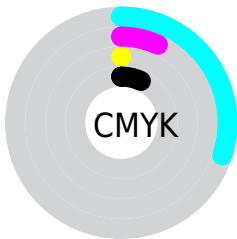
Blue (93%)



Red (65%)

Yellow (77%)

Blue (93%)

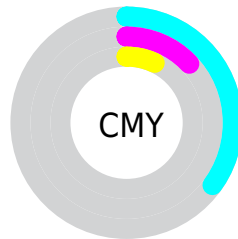


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (35%)


Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9929, 0.2669, 0.3089 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 65.9929, 0.2669, 0.3089 by changing the saturation by 10% instead.


 65.9929, 0.2669,
0.3089


 65.9929, 0.2669,
0.3089


446.3515, 0.2881,
0.3187

 48.2666, 0.2621,
0.3066


 113.4761, 0.2743,
0.3124

 34.0381, 0.2561,
0.3036


 144.0019, 0.2771,
0.3137

 22.9229, 0.2485,
0.2997


179.5630, 0.2796,
0.3149

 14.5366, 0.2387,
0.2946

220.5437, 0.2817,
0.3158

 8.4948, 0.2254,
0.2873

267.3286, 0.2836,
0.3167

 4.4131, 0.2064,
0.2762

320.3019, 0.2853,

 1.9073, 0.1776,

0.3174

0.2579

379.8480, 0.2868,
0.3181

0.5527, 0.0782,
0.2240

0.0000, 0.0000,
0.0000

65.9929, 0.2669,
0.3089

65.9929, 0.2669,
0.3089

60.7358, 0.2530,
0.3011

71.8308, 0.2816,
0.3161

56.0242, 0.2402,
0.2929

78.2668, 0.2969,
0.3228

51.8312, 0.2290,
0.2844

85.3270, 0.3123,
0.3289

48.1233, 0.2195,
0.2756

91.8318, 0.3236,
0.3344

■ 44.8629, 0.2120,
0.2667

■ 95.2593, 0.3231,
0.3398

■ 42.0051, 0.2064,
0.2579

■ 98.7909, 0.3226,
0.3451

■ 39.5313, 0.2026,
0.2494

■ 98.9534, 0.3226,
0.3454

Harmonies

Analogous

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



65.9929, 0.2753, 0.3307



65.9929, 0.2669, 0.3089



65.9929, 0.2701, 0.2938

Triad

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



65.9929, 0.2669, 0.3089



65.9929, 0.3312, 0.3066



65.9929, 0.3407, 0.3719

Complementary

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



65.9929, 0.2669, 0.3089



54.8168, 0.3753, 0.3481

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.



65.9929, 0.3568, 0.3632



65.9929, 0.2669, 0.3089



65.9929, 0.3513, 0.3256

Square

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



65.9929, 0.2669, 0.3089



65.9929, 0.3065, 0.2933



65.9929, 0.3608, 0.3461



65.9929, 0.3174, 0.3684

Rectangle

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



65.9929, 0.2669, 0.3089



65.9929, 0.2785, 0.2891



65.9929, 0.3608, 0.3461



65.9929, 0.3471, 0.3702

Sweetspot

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



65.9955, 0.2669, 0.3089



92.4924, 0.2988, 0.3236



72.6750, 0.2991, 0.3964



19.5495, 0.2965, 0.3226



0.0000, 0.0000, 0.0000



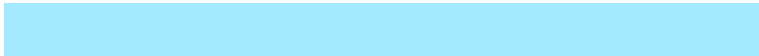
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9955, 0.2669, 0.3089



73.4787, 0.2586, 0.3044



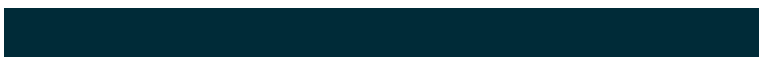
49.0764, 0.2619, 0.2646



17.2588, 0.2981, 0.3233



22.2620, 0.2030, 0.2508



2.0028, 0.2062, 0.2623

Inverse Universe

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



50.6829, 0.3303, 0.2702



53.4261, 0.3347, 0.2587



71.4984, 0.3640, 0.3859



15.9638, 0.3174, 0.3111



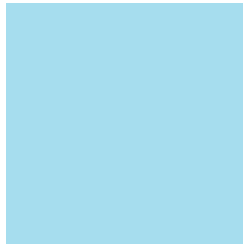
12.0407, 0.3914, 0.1930



1.0169, 0.3802, 0.1868

Previews

White Background



This preview shows how the Yxy color 65.9929, 0.2669, 0.3089 looks on a white background.

Color Contrast Check

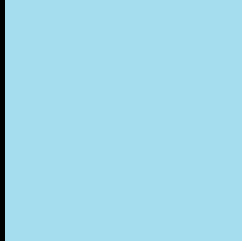
Large Text (above 18pt) WCAG AA × Fail

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 65.9929, 0.2669, 0.3089 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 65.9929, 0.2669, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 65.9929, 0.2669, 0.3089.



This preview shows how white text looks on a background with the Yxy color 65.9929, 0.2669, 0.3089.

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

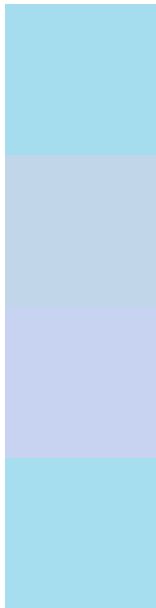




Tritanopia

66.0519, 0.2664, 0.3078

Trichromacy



Original Color

65.9929, 0.2669, 0.3089

Protanomaly

65.5030, 0.2858, 0.3062

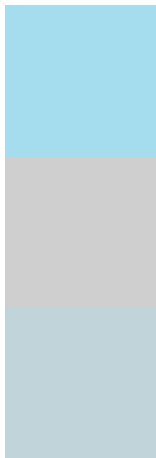
Deuteranomaly

65.0219, 0.2854, 0.2965

Tritanomaly

66.0519, 0.2664, 0.3078

Monochromacy



Original Color

65.9929, 0.2669, 0.3089

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.3554, 0.2944, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9929, 0.2669, 0.3089 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(166, 221, 238)` looks like.

```
.text, #text, p{  
    color:rgb(166, 221, 238)  
}
```

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(166, 221, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 221, 238) }
```

Border

The CSS property to change the border of an element to Yxy 65.9929, 0.2669, 0.3089 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(166, 221, 238) }
```

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

```
.border{ border-color:rgb(166, 221, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 221, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 221, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 221, 238); box-shadow:4px 4px 4px 4px rgb(166, 221, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9929, 0.2669, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 221, 238) }
```

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

```
.background{ background-color: rgb(166,  
221, 238) }
```

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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