

Converting Colors

$Yxy(65.9582, 0.2618, 0.3287)$

Have a look what the booklet for
Yxy(65.9582, 0.2618, 0.3287)
contains.

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Color

Yxy(65.8130, 0.2620, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	90E2E2
RGB	144, 226, 226
RGB Percent	56%, 89%, 89%
CMY	0.4351, 0.1137, 0.1139
CMYK	0.36, 0.00, 0.00, 0.11
HSL	180°, 59%, 73%
HSV	180°, 36%, 89%
XYZ	52.4263, 65.8130, 81.8610
YIQ	201.4820, -48.8720, -17.3840

Conversions

Conversions Part 2

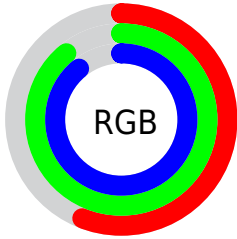
Format	Color
RYB	144, 185, 226
Decimal	9495266
CIELab	84.90, -24.86, -7.89
CIELCh	85, 26.087, 197.610
Yxy	65.8130, 0.2620, 0.3289
Android (android.graphics.Color)	4287685346 (0xFF90E2E2)
YUV	201.4820, 12.0874, -50.4117
Hunter-Lab	81.1252, -26.6154, -3.0401

Details

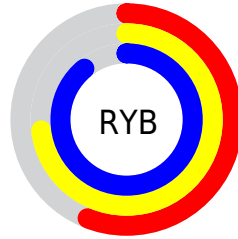
The Yxy color **65.8130, 0.2620, 0.3289** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **38.1458, 0.4003, 0.3292**, and the grayscale version is **58.6756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **33.7644, 0.2495, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **63.9788, 0.2512, 0.3289**, and if you desaturate by 10%, it is **68.0598, 0.2744, 0.3289**.

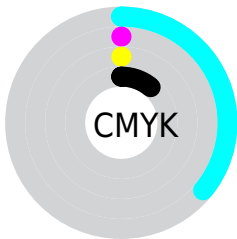
Distribution



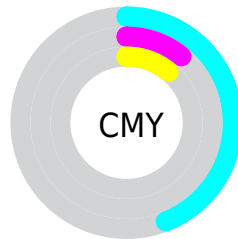
- Red (56%)
- Green (89%)
- Blue (89%)



- Red (56%)
- Yellow (73%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (44%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8130, 0.2620, 0.3289 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 65.8130, 0.2620, 0.3289 by changing the saturation by 10% instead.

 65.8130, 0.2620,
0.3289


 65.8130, 0.2620,
0.3289

445.7078, 0.2855,
0.3294

 48.1206, 0.2566,
0.3287


 113.2179, 0.2702,
0.3292

 33.9224, 0.2500,
0.3283


 143.6992, 0.2734,
0.3292

 22.8340, 0.2415,
0.3278


179.2123, 0.2761,
0.3293

 14.4710, 0.2306,
0.3270

220.1415, 0.2785,
0.3293

 8.4490, 0.2157,
0.3255

266.8712, 0.2806,
0.3293

 4.3835, 0.1944,
0.3227

319.7860, 0.2824,

 1.8903, 0.1619,

0.3294

379.2700, 0.2841,
0.3294

0.3165

0.5426, 0.0000,
0.3199

0.0000, 0.0000,
0.0000

65.8130, 0.2620,
0.3289

65.8130, 0.2620,
0.3289

63.9788, 0.2512,
0.3289

68.0598, 0.2744,
0.3289

62.5249, 0.2422,
0.3289


70.7338, 0.2882,
0.3290


61.4268, 0.2351,
0.3289

73.8583, 0.3030,
0.3290


60.6541, 0.2300,
0.3289


77.4528, 0.3186,
0.3290

 60.1710, 0.2267,
0.3289


 81.1453, 0.3332,
0.3290

 59.9328, 0.2251,
0.3289

 81.1460, 0.3332,
0.3290

 59.8781, 0.2247,
0.3289

 81.1466, 0.3332,
0.3290

 81.1473, 0.3332,
0.3290

 81.1479, 0.3332,
0.3290

Harmonies

Analogous

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



65.8130, 0.2852, 0.3597



65.8130, 0.2620, 0.3289



65.8130, 0.2520, 0.3001

Triad

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



65.8130, 0.2620, 0.3289



65.8130, 0.3061, 0.2828



65.8130, 0.3706, 0.3753

Complementary

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



65.8130, 0.2620, 0.3289



38.1458, 0.4003, 0.3292

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.



65.8130, 0.3774, 0.3526



65.8130, 0.2620, 0.3289



65.8130, 0.3391, 0.3008

Square

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



65.8130, 0.2620, 0.3289



65.8130, 0.2764, 0.2756



65.8130, 0.3658, 0.3257



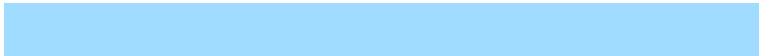
65.8130, 0.3480, 0.3868

Rectangle

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



65.8130, 0.2620, 0.3289



65.8130, 0.2538, 0.2862



65.8130, 0.3658, 0.3257



65.8130, 0.3749, 0.3686

Sweetspot

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



65.8156, 0.2620, 0.3289



95.0618, 0.2958, 0.3290



62.4657, 0.3085, 0.4381



20.2280, 0.2938, 0.3290



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.



65.8156, 0.2620, 0.3289



84.5581, 0.2532, 0.3289



46.7067, 0.2548, 0.2775



15.5723, 0.2982, 0.3290



34.1601, 0.2247, 0.3289



2.3678, 0.2247, 0.3289

Inverse Universe

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



38.1458, 0.4003, 0.3292



42.8238, 0.4305, 0.3293



52.3230, 0.3834, 0.3751



13.7007, 0.3292, 0.3290



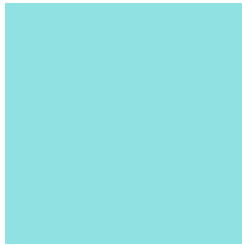
9.2245, 0.6400, 0.3299



0.6394, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 65.8130, 0.2620, 0.3289 looks on a white background.

Color Contrast Check

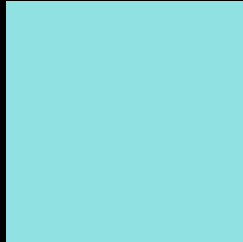
Large Text (above 18pt) WCAG AA × Fail

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 65.8130, 0.2620, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

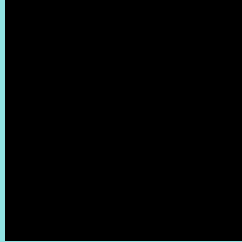
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8130, 0.2620, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 65.8130, 0.2620, 0.3289.



This preview shows how white text looks on a background with the Yxy color 65.8130, 0.2620, 0.3289.

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

65.8130, 0.2620, 0.3289

Protanopia

65.1972, 0.3108, 0.3223

Deuteranopia

65.0638, 0.3088, 0.3019



Tritanopia

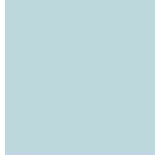
66.0180, 0.2556, 0.3074

Trichromacy



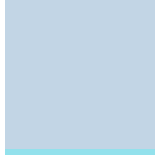
Original Color

65.8130, 0.2620, 0.3289



Protanomaly

64.9704, 0.2905, 0.3243



Deuteranomaly

64.7150, 0.2889, 0.3106



Tritanomaly

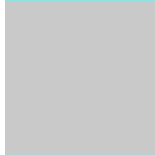
66.1096, 0.2583, 0.3156

Monochromacy



Original Color

65.8130, 0.2620, 0.3289



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.4496, 0.2911, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8130, 0.2620, 0.3289 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(144, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(144, 226, 226)  
}
```

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(144, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 226, 226) }
```

Border

The CSS property to change the border of an element to Yxy 65.8130, 0.2620, 0.3289 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(144, 226, 226) }
```

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

```
.border{ border-color:rgb(144, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(144, 226,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8130, 0.2620, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 226, 226) }
```

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

```
.background{ background-color: rgb(144,  
226, 226) }
```

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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