

Converting Colors

$Yxy(60.9769, 0.2677, 0.3468)$

Have a look what the booklet for
Yxy(60.9769, 0.2677, 0.3468)
contains.

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Color

Yxy(60.9610, 0.2678, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	89DCCE
RGB	137, 220, 206
RGB Percent	54%, 86%, 81%
CMY	0.4628, 0.1372, 0.1922
CMYK	0.38, 0.00, 0.06, 0.14
HSL	170°, 54%, 70%
HSV	170°, 38%, 86%
XYZ	47.0471, 60.9610, 67.6720
YIQ	193.5870, -44.9740, -21.9500

Conversions

Conversions Part 2

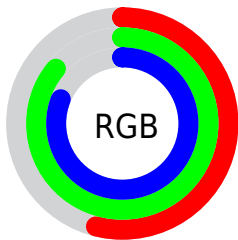
Format	Color
RYB	137, 182, 220
Decimal	9034958
CIELab	82.36, -28.44, -1.10
CIELCh	82, 28.457, 182.208
Yxy	60.9610, 0.2678, 0.3470
Android (android.graphics.Color)	4287225038 (0xFF89DCCE)
YUV	193.5870, 6.1196, -49.6268
Hunter-Lab	78.0775, -29.0770, 3.2660

Details

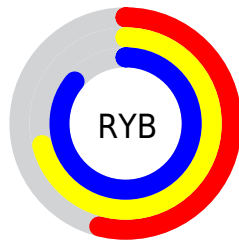
The Yxy color **60.9610, 0.2678, 0.3470** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3388, 0.3892, 0.3123**, and the grayscale version is **53.6741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **30.9711, 0.2567, 0.3517** is the 20% darker color. If you saturate the color by 10%, you get **59.1117, 0.2586, 0.3526**, and if you desaturate by 10%, it is **63.1985, 0.2784, 0.3417**.

Distribution



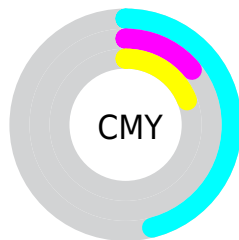
- Red (54%)
- Green (86%)
- Blue (81%)



- Red (54%)
- Yellow (71%)
- Blue (86%)



- Cyan (38%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)





- Cyan (46%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9610, 0.2678, 0.3470 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 60.9610, 0.2678, 0.3470 by changing the saturation by 10% instead.


 60.9610, 0.2678,
0.3470

 60.9610, 0.2678,
0.3470


428.1310, 0.2891,
0.3385

 44.1937, 0.2628,
0.3490


 106.2225, 0.2753,
0.3440

 30.8228, 0.2566,
0.3514


 135.4854, 0.2782,
0.3429

 20.4640, 0.2485,
0.3545


 169.6824, 0.2807,
0.3419

 12.7327, 0.2379,
0.3587

209.1977, 0.2828,
0.3411

 7.2448, 0.2230,
0.3644

254.4159, 0.2847,
0.3403

 3.6156, 0.2011,
0.3727

305.7212, 0.2863,

 1.4610, 0.1609,

0.3396

0.3878

363.4981, 0.2878,
0.3391

0.2610, 0.0000,
0.4197

0.0000, 0.0000,
0.0000

60.9610, 0.2678,
0.3470

60.9610, 0.2678,
0.3470

59.1117, 0.2586,
0.3526

63.1985, 0.2784,
0.3417

57.6200, 0.2511,
0.3585


65.8382, 0.2901,
0.3368


56.4626, 0.2455,
0.3645


68.9022, 0.3026,
0.3322

55.6104, 0.2417,
0.3705


72.4088, 0.3157,
0.3281

 55.0290, 0.2400,
0.3766


 76.3753, 0.3291,
0.3244


 54.6708, 0.2399,
0.3826

 78.0674, 0.3323,
0.3208

 54.6035, 0.2400,
0.3840

 78.2763, 0.3298,
0.3171

 78.4897, 0.3272,
0.3135

 78.7075, 0.3247,
0.3098

Harmonies

Analogous

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



60.9610, 0.2992, 0.3783



60.9610, 0.2678, 0.3470



60.9610, 0.2488, 0.3120

Triad

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



60.9610, 0.2678, 0.3470



60.9610, 0.2872, 0.2719



60.9610, 0.3840, 0.3683

Complementary

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



60.9610, 0.2678, 0.3470



35.3388, 0.3892, 0.3123

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.



60.9610, 0.3811, 0.3397



60.9610, 0.2678, 0.3470



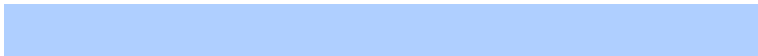
60.9610, 0.3233, 0.2861

Square

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



60.9610, 0.2678, 0.3470



60.9610, 0.2595, 0.2709



60.9610, 0.3583, 0.3103



60.9610, 0.3668, 0.3890

Rectangle

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



60.9610, 0.2678, 0.3470



60.9610, 0.2450, 0.2924



60.9610, 0.3583, 0.3103



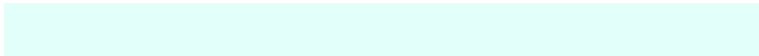
60.9610, 0.3854, 0.3593

Sweetspot

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



60.9634, 0.2678, 0.3470



94.7615, 0.2983, 0.3337



59.6916, 0.3176, 0.4399



20.1559, 0.2966, 0.3343



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.



60.9634, 0.2678, 0.3470



83.1515, 0.2607, 0.3513



48.9430, 0.2553, 0.2943



14.7898, 0.3005, 0.3330



32.0581, 0.2397, 0.3831



2.0871, 0.2370, 0.3732

Inverse Universe

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



35.3388, 0.3892, 0.3123



42.6143, 0.4131, 0.3090



43.3153, 0.3931, 0.3609



13.0872, 0.3265, 0.3251



9.0200, 0.6143, 0.3158



0.5955, 0.5720, 0.2924

Previews

White Background



This preview shows how the Yxy color 60.9610, 0.2678, 0.3470 looks on a white background.

Color Contrast Check

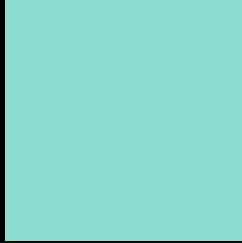
Large Text (above 18pt) WCAG AA × Fail

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 60.9610, 0.2678, 0.3470 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

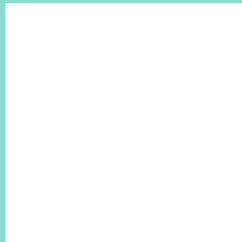
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.9610, 0.2678, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 60.9610, 0.2678, 0.3470.

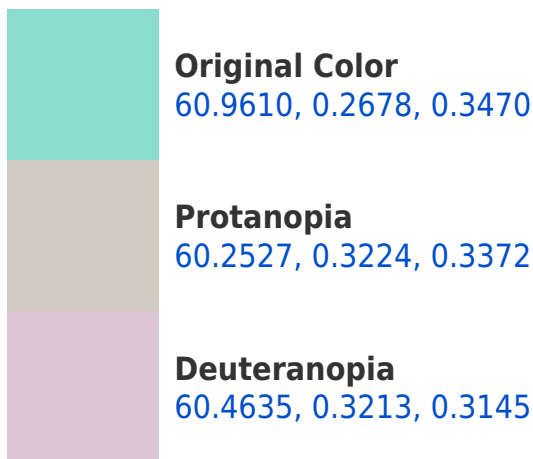


This preview shows how white text looks on a background with the Yxy color 60.9610, 0.2678, 0.3470.

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

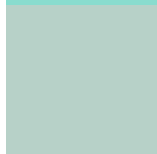
60.9242, 0.2566, 0.3079

Trichromacy



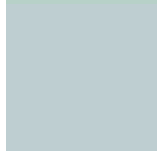
Original Color

60.9610, 0.2678, 0.3470



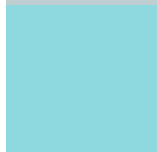
Protanomaly

59.8383, 0.2997, 0.3400



Deuteranomaly

59.6932, 0.2988, 0.3254



Tritanomaly

60.6161, 0.2604, 0.3213

Monochromacy



Original Color

60.9610, 0.2678, 0.3470



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

55.6733, 0.2938, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9610, 0.2678, 0.3470 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(137, 220, 206)` looks like.

```
.text, #text, p{  
    color:rgb(137, 220, 206)  
}
```

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(137, 220, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 220, 206) }
```

Border

The CSS property to change the border of an element to Yxy 60.9610, 0.2678, 0.3470 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(137, 220, 206) }
```

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

```
.border{ border-color:rgb(137, 220, 206) }
```

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

Here you see how a box with a 4 pixel rgb(137, 220, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 220, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 220, 206);  
box-shadow:4px 4px 4px 4px rgb(137, 220,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9610, 0.2678, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 220, 206) }
```

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

```
.background{ background-color: rgb(137,  
220, 206) }
```

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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