

Converting Colors

$Yxy(68.4128, 0.2621, 0.3648)$

Have a look what the booklet for
Yxy(68.4128, 0.2621, 0.3648)
contains.

Yxy(68.6099, 0.2618, 0.3646)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.6099, 0.2618, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	79ECD0
RGB	121, 236, 208
RGB Percent	47%, 93%, 82%
CMY	0.5254, 0.0745, 0.1844
CMYK	0.49, 0.00, 0.12, 0.07
HSL	165°, 75%, 70%
HSV	165°, 49%, 93%
XYZ	49.2651, 68.6099, 70.3035
YIQ	198.4230, -59.5520, -33.0880

Conversions

Conversions Part 2

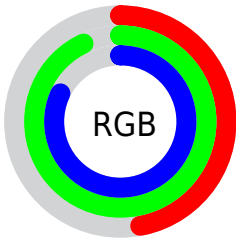
Format	Color
RYB	121, 186, 236
Decimal	7990480
CIELab	86.31, -39.35, 3.53
CIELCh	86, 39.512, 174.868
Yxy	68.6099, 0.2618, 0.3646
Android (android.graphics.Color)	4286180560 (0xFF79ECD0)
YUV	198.4230, 4.7215, -67.9000
Hunter-Lab	82.8311, -38.7886, 7.6589

Details

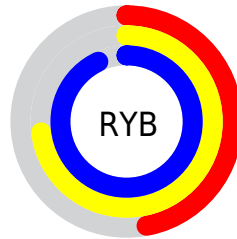
The Yxy color **68.6099, 0.2618, 0.3646** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **33.6856, 0.4146, 0.2980**, and the grayscale version is **56.7442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **35.9054, 0.2493, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **66.8326, 0.2551, 0.3734**, and if you desaturate by 10%, it is **70.8199, 0.2702, 0.3562**.

Distribution



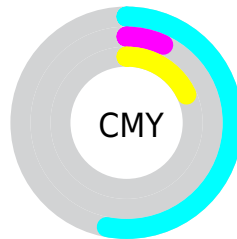
- Red (47%)
- Green (93%)
- Blue (82%)



- Red (47%)
- Yellow (73%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6099, 0.2618, 0.3646 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 68.6099, 0.2618, 0.3646 by changing the saturation by 10% instead.

 68.6099, 0.2618,
0.3646


 68.6099, 0.2618,
0.3646


455.6539, 0.2856,
0.3477

 50.3941, 0.2563,
0.3686

 117.2242, 0.2701,
0.3587

 35.7266, 0.2495,
0.3735


 148.3915, 0.2733,
0.3564

 24.2231, 0.2408,
0.3798


 184.6447, 0.2761,
0.3544

 15.4992, 0.2294,
0.3882

226.3683, 0.2785,
0.3527

 9.1705, 0.2138,
0.3999

273.9466, 0.2806,
0.3512

 4.8526, 0.1913,
0.4173

327.7641, 0.2825,

 2.1610, 0.1558,

0.3499

0.4456

388.2050, 0.2841,
0.3488

0.6986, 0.0000,
0.5763

0.0000, 0.0000,
0.0000

68.6099, 0.2618,
0.3646

68.6099, 0.2618,
0.3646

66.8326, 0.2551,
0.3734

70.8199, 0.2702,
0.3562

65.4489, 0.2502,
0.3824

73.4825, 0.2799,
0.3483


64.4260, 0.2473,
0.3916

76.6258, 0.2907,
0.3410

63.7222, 0.2464,
0.4007

80.2735, 0.3022,
0.3343


 63.2758, 0.2473,
0.4097

 84.4476, 0.3143,
0.3283

 63.2265, 0.2475,
0.4109

 87.6937, 0.3214,
0.3227

 88.0458, 0.3178,
0.3171

 88.4089, 0.3142,
0.3117

 88.4732, 0.3136,
0.3107

Harmonies

Analogous

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



68.6099, 0.3055, 0.4038



68.6099, 0.2618, 0.3646



68.6099, 0.2330, 0.3161

Triad

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



68.6099, 0.2618, 0.3646



68.6099, 0.2683, 0.2526



68.6099, 0.4095, 0.3706

Complementary

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



68.6099, 0.2618, 0.3646



33.6856, 0.4146, 0.2980

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.



68.6099, 0.3991, 0.3321



68.6099, 0.2618, 0.3646



68.6099, 0.3141, 0.2673

Square

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



68.6099, 0.2618, 0.3646



68.6099, 0.2367, 0.2551



68.6099, 0.3630, 0.2955



68.6099, 0.3919, 0.4026

Rectangle

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



68.6099, 0.2618, 0.3646



68.6099, 0.2249, 0.2881



68.6099, 0.3630, 0.2955



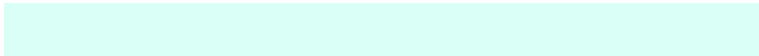
68.6099, 0.4093, 0.3580

Sweetspot

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



68.6126, 0.2618, 0.3646



92.8673, 0.2948, 0.3385



67.8363, 0.3225, 0.4758



19.6871, 0.2924, 0.3400



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.



68.6126, 0.2618, 0.3646



79.7636, 0.2554, 0.3729



54.8742, 0.2417, 0.2921



17.0555, 0.3014, 0.3348



34.8718, 0.2471, 0.4094



2.7532, 0.2436, 0.3969

Inverse Universe

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



33.6856, 0.4146, 0.2980



33.7841, 0.4472, 0.2935



40.9535, 0.4318, 0.3615



15.1143, 0.3255, 0.3233



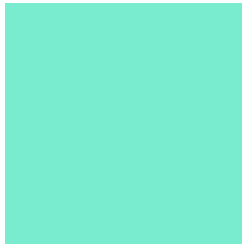
10.0127, 0.5946, 0.3049



0.8011, 0.5557, 0.2835

Previews

White Background



This preview shows how the Yxy color 68.6099, 0.2618, 0.3646 looks on a white background.

Color Contrast Check

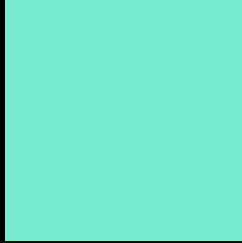
Large Text (above 18pt) WCAG AA × Fail

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 68.6099, 0.2618, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

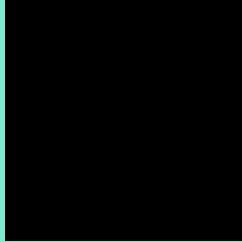
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6099, 0.2618, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 68.6099, 0.2618, 0.3646.

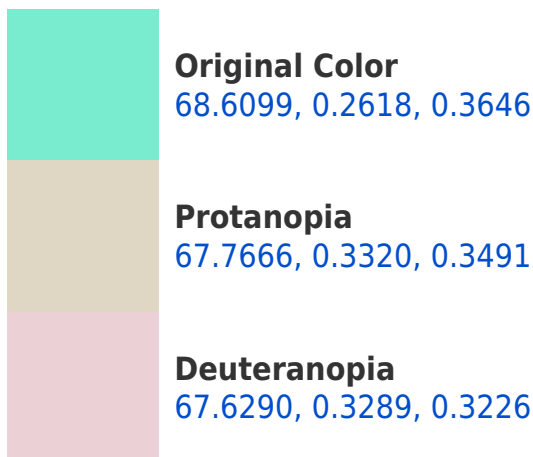


This preview shows how white text looks on a background with the Yxy color 68.6099, 0.2618, 0.3646.

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

68.4197, 0.2465, 0.3062

Trichromacy



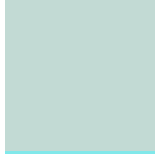
Original Color

68.6099, 0.2618, 0.3646



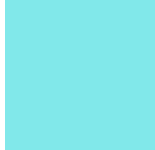
Protanomaly

66.8518, 0.3018, 0.3552



Deuteranomaly

66.3656, 0.2997, 0.3360



Tritanomaly

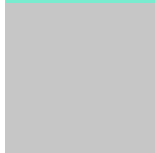
68.3209, 0.2520, 0.3264

Monochromacy



Original Color

68.6099, 0.2618, 0.3646



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.8973, 0.2895, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6099, 0.2618, 0.3646 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(121, 236, 208)` looks like.

```
.text, #text, p{  
    color:rgb(121, 236, 208)  
}
```

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(121, 236, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 236, 208) }
```

Border

The CSS property to change the border of an element to Yxy 68.6099, 0.2618, 0.3646 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(121, 236, 208) }
```

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

```
.border{ border-color:rgb(121, 236, 208) }
```

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

Here you see how a box with a 4 pixel rgb(121, 236, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 236, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 236, 208);  
box-shadow:4px 4px 4px 4px rgb(121, 236,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6099, 0.2618, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 236, 208) }
```

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

```
.background{ background-color: rgb(121,  
236, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor