

Converting Colors

$Y_{xy}(69.3203, 0.2496, 0.3828)$

Have a look what the booklet for
Yxy(69.3203, 0.2496, 0.3828)
contains.

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Color

Yxy(69.1850, 0.2492, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	49F2CA
RGB	73, 242, 202
RGB Percent	29%, 95%, 79%
CMY	0.7141, 0.0509, 0.2077
CMYK	0.70, 0.00, 0.17, 0.05
HSL	166°, 87%, 62%
HSV	166°, 70%, 95%
XYZ	45.1569, 69.1850, 66.8655
YIQ	186.9090, -87.8840, -48.2680

Conversions

Conversions Part 2

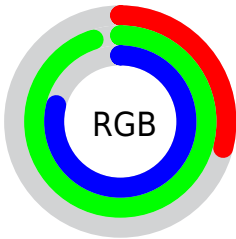
Format	Color
RYB	73, 169, 242
Decimal	4846282
CIELab	86.60, -52.07, 6.89
CIELCh	87, 52.526, 172.462
Yxy	69.1850, 0.2492, 0.3818
Android (android.graphics.Color)	4283036362 (0xFF49F2CA)
YUV	186.9090, 7.4399, -99.8982
Hunter-Lab	83.1775, -48.6534, 10.5616

Details

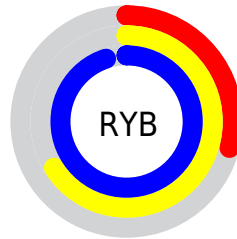
The Yxy color **69.1850, 0.2492, 0.3818** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.8211, 0.4940, 0.2921**, and the grayscale version is **49.6217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **36.8360, 0.2428, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **68.1545, 0.2465, 0.3907**, and if you desaturate by 10%, it is **70.5983, 0.2539, 0.3730**.

Distribution



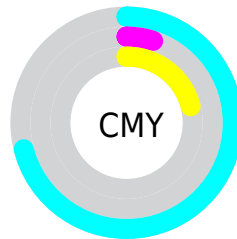
- Red (29%)
- Green (95%)
- Blue (79%)



- Red (29%)
- Yellow (66%)
- Blue (95%)



- Cyan (70%)
- Magenta (0%)
- Yellow (17%)
- Black (5%)





- Cyan (71%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1850, 0.2492, 0.3818 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 69.1850, 0.2492, 0.3818 by changing the saturation by 10% instead.


 69.1850, 0.2492,
0.3818


 69.1850, 0.2492,
0.3818


457.6832, 0.2790,
0.3565

 50.8624, 0.2423,
0.3878


 118.0458, 0.2596,
0.3729

 36.0991, 0.2338,
0.3953


 149.3527, 0.2636,
0.3694

 24.5107, 0.2230,
0.4050


 185.7566, 0.2671,
0.3665

 15.7129, 0.2088,
0.4179

 227.6417, 0.2701,
0.3640

 9.3212, 0.1894,
0.4360

275.3926, 0.2727,
0.3617

 4.9513, 0.1618,
0.4630

329.3935, 0.2751,

 2.2187, 0.1098,

0.3598

0.5129

390.0289, 0.2771,
0.3580

0.7302, 0.0000,
0.6998

0.0000, 0.0000,
0.0000

69.1850, 0.2492,
0.3818

69.1850, 0.2492,
0.3818

68.1545, 0.2465,
0.3907

70.5983, 0.2539,
0.3730

67.4531, 0.2458,
0.3995


72.4246, 0.2605,
0.3645

67.0083, 0.2468,
0.4083

74.7000, 0.2687,
0.3563


67.0033, 0.2468,
0.4084


77.4546, 0.2784,
0.3486

 80.7158, 0.2892,
0.3415

 84.5088, 0.3008,
0.3349

 88.8574, 0.3129,
0.3289

 91.5345, 0.3177,
0.3234

 91.8948, 0.3142,
0.3180

Harmonies

Analogous

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



69.1850, 0.3065, 0.4339



69.1850, 0.2492, 0.3818



69.1850, 0.2113, 0.3151

Triad

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



69.1850, 0.2492, 0.3818



69.1850, 0.2502, 0.2304



69.1850, 0.4409, 0.3761

Complementary

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



69.1850, 0.2492, 0.3818



24.8211, 0.4940, 0.2921

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.



69.1850, 0.4248, 0.3270



69.1850, 0.2492, 0.3818



69.1850, 0.3083, 0.2476

Square

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



69.1850, 0.2492, 0.3818



69.1850, 0.2124, 0.2343



69.1850, 0.3741, 0.2818



69.1850, 0.4186, 0.4205

Rectangle

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



69.1850, 0.2492, 0.3818



69.1850, 0.2002, 0.2773



69.1850, 0.3741, 0.2818



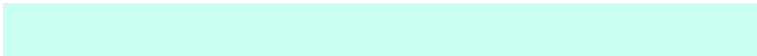
69.1850, 0.4400, 0.3598

Sweetspot

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



69.1877, 0.2492, 0.3818



90.4311, 0.2878, 0.3423



67.6464, 0.3206, 0.5415



19.1299, 0.2848, 0.3442



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.



69.1877, 0.2492, 0.3818



76.3639, 0.2460, 0.3945



49.0089, 0.2190, 0.2726



17.8613, 0.3012, 0.3346



36.0141, 0.2464, 0.4069



3.0113, 0.2432, 0.3954

Inverse Universe

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



24.8211, 0.4940, 0.2921



23.5951, 0.5508, 0.2958



31.6613, 0.5130, 0.3694



15.8201, 0.3256, 0.3234



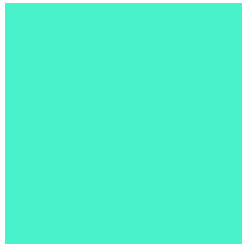
10.3185, 0.5971, 0.3063



0.8734, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 69.1850, 0.2492, 0.3818 looks on a white background.

Color Contrast Check

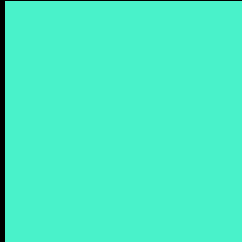
Large Text (above 18pt) WCAG AA × Fail

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 69.1850, 0.2492, 0.3818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

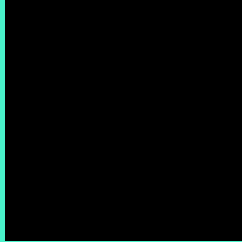
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1850, 0.2492, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 69.1850, 0.2492, 0.3818.

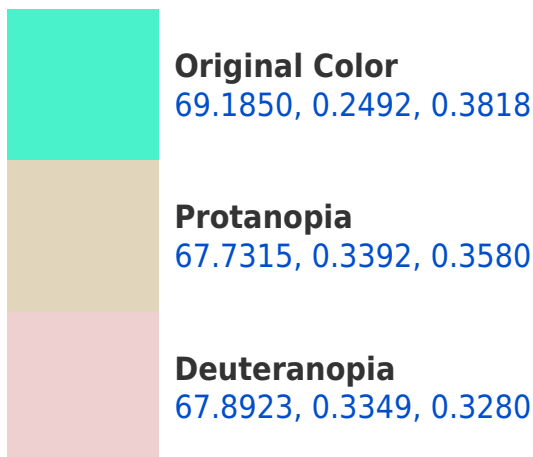


This preview shows how white text looks on a background with the Yxy color 69.1850, 0.2492, 0.3818.

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

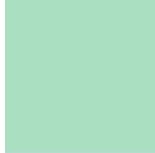
69.1691, 0.2327, 0.3059

Trichromacy



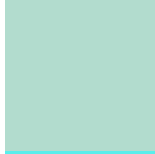
Original Color

69.1850, 0.2492, 0.3818



Protanomaly

65.7076, 0.2954, 0.3673



Deuteranomaly

65.1076, 0.2927, 0.3458



Tritanomaly

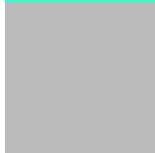
69.2711, 0.2385, 0.3325

Monochromacy



Original Color

69.1850, 0.2492, 0.3818



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

54.5424, 0.2794, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1850, 0.2492, 0.3818 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(73, 242, 202)` looks like.

```
.text, #text, p{  
    color:rgb(73, 242, 202)  
}
```

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(73, 242, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 242, 202) }
```

Border

The CSS property to change the border of an element to Yxy 69.1850, 0.2492, 0.3818 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(73, 242, 202) }
```

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

```
.border{ border-color:rgb(73, 242, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 242, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 242, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 242, 202);  
box-shadow:4px 4px 4px 4px rgb(73, 242,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1850, 0.2492, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 242, 202) }
```

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

```
.background{ background-color: rgb(73, 242,  
202) }
```

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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