

Converting Colors

$Yxy(70.0697, 0.2834, 0.4293)$

Have a look what the booklet for
Yxy(70.0697, 0.2834, 0.4293)
contains.

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Color

Yxy(70.2139, 0.2836, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	78F2A5
RGB	120, 242, 165
RGB Percent	47%, 95%, 65%
CMY	0.5295, 0.0510, 0.3529
CMYK	0.50, 0.00, 0.32, 0.05
HSL	142°, 82%, 71%
HSV	142°, 50%, 95%
XYZ	46.2870, 70.2139, 46.7113
YIQ	196.7440, -47.9950, -49.8110

Conversions

Conversions Part 2

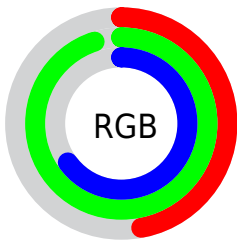
Format	Color
RYB	120, 209, 242
Decimal	7926437
CIELab	87.10, -51.03, 26.92
CIELCh	87, 57.692, 152.184
Yxy	70.2139, 0.2836, 0.4302
Android (android.graphics.Color)	4286116517 (0xFF78F2A5)
YUV	196.7440, -15.6498, -67.3045
Hunter-Lab	83.7937, -48.0371, 25.6040

Details

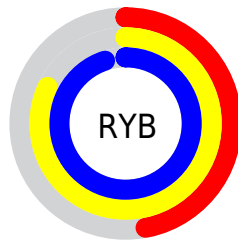
The Yxy color **70.2139, 0.2836, 0.4302** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.3364, 0.3639, 0.2476**, and the grayscale version is **55.7883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2710, 0.2870, 0.3681**, and **36.7897, 0.2745, 0.4574** is the 20% darker color. If you saturate the color by 10%, you get **68.1767, 0.2804, 0.4548**, and if you desaturate by 10%, it is **72.7604, 0.2881, 0.4066**.

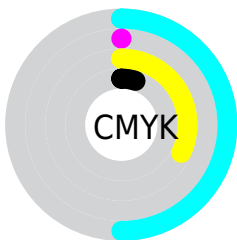
Distribution



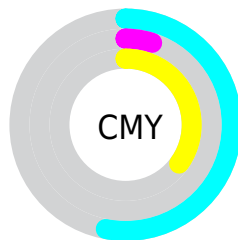
- Red (47%)
- Green (95%)
- Blue (65%)



- Red (47%)
- Yellow (82%)
- Blue (95%)



- Cyan (50%)
- Magenta (0%)
- Yellow (32%)
- Black (5%)





- Cyan (53%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2139, 0.2836, 0.4302 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 70.2139, 0.2836, 0.4302 by changing the saturation by 10% instead.

 70.2139, 0.2836,
0.4302

 70.2139, 0.2836,
0.4302


461.3007, 0.2987,
0.3800


 51.7009, 0.2797,
0.4425


 119.5137, 0.2892,
0.4121

 36.7668, 0.2746,
0.4582


 151.0694, 0.2913,
0.4053

 25.0269, 0.2678,
0.4787


 187.7414, 0.2930,
0.3994

 16.0971, 0.2582,
0.5067

229.9142, 0.2945,
0.3945

 9.5929, 0.2438,
0.5467

277.9721, 0.2958,
0.3901

 5.1299, 0.2205,
0.6079

332.2996, 0.2969,

 2.3237, 0.1812,

0.3863

0.7602

393.2810, 0.2979,
0.3830

0.7862, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.2139, 0.2836,
0.4302

70.2139, 0.2836,
0.4302

68.1767, 0.2804,
0.4548

72.7604, 0.2881,
0.4066

66.6042, 0.2789,
0.4796


75.8399, 0.2935,
0.3844


65.4583, 0.2792,
0.5036


79.4848, 0.2995,
0.3642

64.6906, 0.2813,
0.5258

83.7225, 0.3059,
0.3459

 64.2348, 0.2846,
0.5446

 88.5784, 0.3124,
0.3296

 91.9885, 0.3133,
0.3165

Harmonies

Analogous

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



70.2139, 0.3513, 0.4583



70.2139, 0.2836, 0.4302



70.2139, 0.2273, 0.3628

Triad

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



70.2139, 0.2836, 0.4302



70.2139, 0.2147, 0.2225



70.2139, 0.4457, 0.3430

Complementary

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



70.2139, 0.2836, 0.4302



36.3364, 0.3639, 0.2476

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.



70.2139, 0.4008, 0.2925



70.2139, 0.2836, 0.4302



70.2139, 0.2630, 0.2264

Square

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



70.2139, 0.2836, 0.4302



70.2139, 0.1918, 0.2433



70.2139, 0.3310, 0.2513



70.2139, 0.4484, 0.3955

Rectangle

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



70.2139, 0.2836, 0.4302



70.2139, 0.2031, 0.3137



70.2139, 0.3310, 0.2513



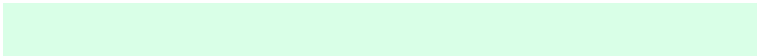
70.2139, 0.4350, 0.3256

Sweetspot

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



70.2168, 0.2836, 0.4302



91.9952, 0.3029, 0.3541



76.7699, 0.3540, 0.4666



19.4770, 0.3016, 0.3580



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.



70.2168, 0.2836, 0.4302



76.6271, 0.2803, 0.4567



72.9765, 0.2542, 0.3488



17.7528, 0.3065, 0.3443



34.5293, 0.2838, 0.5415



2.8911, 0.2764, 0.5150

Inverse Universe

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



36.3364, 0.3639, 0.2476



34.3282, 0.3800, 0.2334



34.0907, 0.4372, 0.3118



15.9267, 0.3194, 0.3142



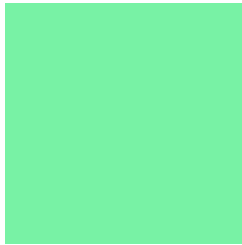
11.3986, 0.4414, 0.2205



0.9674, 0.4213, 0.2094

Previews

White Background



This preview shows how the Yxy color 70.2139, 0.2836, 0.4302 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 70.2139, 0.2836, 0.4302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

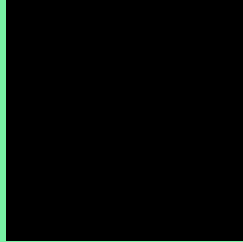
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2139, 0.2836, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 70.2139, 0.2836, 0.4302.

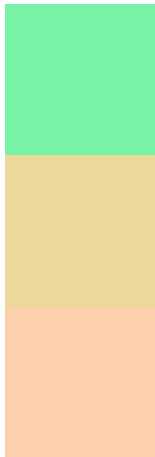


This preview shows how white text looks on a background with the Yxy color 70.2139, 0.2836, 0.4302.

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

70.2139, 0.2836, 0.4302

Protanopia

69.4512, 0.3699, 0.3978

Deuteranopia

69.0115, 0.3741, 0.3656



Tritanopia

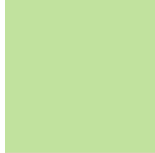
69.8047, 0.2503, 0.3066

Trichromacy



Original Color

70.2139, 0.2836, 0.4302



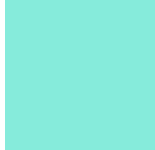
Protanomaly

68.1988, 0.3332, 0.4105



Deuteranomaly

67.0678, 0.3354, 0.3877



Tritanomaly

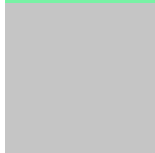
69.5995, 0.2621, 0.3487

Monochromacy



Original Color

70.2139, 0.2836, 0.4302



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.5263, 0.2996, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2139, 0.2836, 0.4302 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(120, 242, 165)` looks like.

```
.text, #text, p{  
    color:rgb(120, 242, 165)  
}
```

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(120, 242, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 242, 165) }
```

Border

The CSS property to change the border of an element to Yxy 70.2139, 0.2836, 0.4302 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(120, 242, 165) }
```

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

```
.border{ border-color:rgb(120, 242, 165) }
```

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

Here you see how a box with a 4 pixel rgb(120, 242, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 242, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 242, 165);  
box-shadow:4px 4px 4px 4px rgb(120, 242,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2139, 0.2836, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 242, 165) }
```

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

```
.background{ background-color: rgb(120,  
242, 165) }
```

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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