

Converting Colors

$Yxy(70.1678, 0.2841, 0.4035)$

Have a look what the booklet for
Yxy(70.1678, 0.2841, 0.4035)
contains.

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Color

Yxy(70.3467, 0.2842, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	89EFB4
RGB	137, 239, 180
RGB Percent	54%, 94%, 71%
CMY	0.4625, 0.0627, 0.2942
CMYK	0.43, 0.00, 0.25, 0.06
HSL	145°, 76%, 74%
HSV	145°, 43%, 94%
XYZ	49.4253, 70.3467, 54.1383
YIQ	201.7760, -41.8530, -39.9730

Conversions

Conversions Part 2

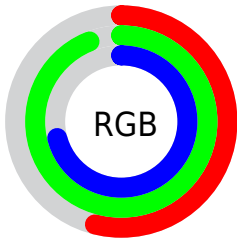
Format	Color
RYB	137, 209, 239
Decimal	9039796
CIELab	87.17, -42.61, 19.43
CIELCh	87, 46.829, 155.488
Yxy	70.3467, 0.2842, 0.4045
Android (android.graphics.Color)	4287229876 (0xFF89EFB4)
YUV	201.7760, -10.7356, -56.8086
Hunter-Lab	83.8729, -41.5898, 20.4406

Details

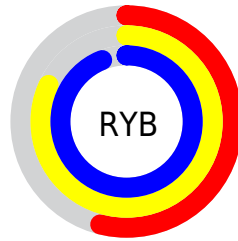
The Yxy color **70.3467, 0.2842, 0.4045** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.2464, 0.3589, 0.2649**, and the grayscale version is **59.0112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0455, 0.2870, 0.3494**, and **36.6937, 0.2760, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **68.0115, 0.2795, 0.4263**, and if you desaturate by 10%, it is **73.1913, 0.2900, 0.3840**.

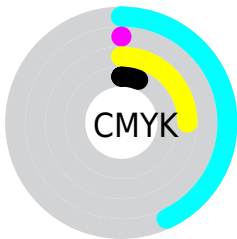
Distribution



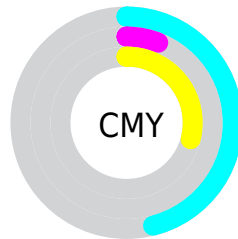
- Red (54%)
- Green (94%)
- Blue (71%)



- Red (54%)
- Yellow (82%)
- Blue (94%)



- Cyan (43%)
- Magenta (0%)
- Yellow (25%)
- Black (6%)




- Cyan (46%)
- Magenta (6%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3467, 0.2842, 0.4045 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 70.3467, 0.2842, 0.4045 by changing the saturation by 10% instead.

 70.3467, 0.2842,
0.4045

 70.3467, 0.2842,
0.4045


461.7664, 0.2984,
0.3675

 51.8092, 0.2807,
0.4135


 119.7030, 0.2893,
0.3912

 36.8530, 0.2763,
0.4249

 151.2907, 0.2913,
0.3862

 25.0937, 0.2704,
0.4397


 187.9972, 0.2929,
0.3819

 16.1469, 0.2623,
0.4599

230.2070, 0.2943,
0.3782

 9.6282, 0.2507,
0.4888

278.3044, 0.2955,
0.3750

 5.1531, 0.2323,
0.5333

332.6738, 0.2966,

 2.3374, 0.2009,

0.3722

0.6128

393.6997, 0.2975,
0.3697

0.7934, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.3467, 0.2842,
0.4045

70.3467, 0.2842,
0.4045

68.0115, 0.2795,
0.4263

73.1913, 0.2900,
0.3840

66.1457, 0.2763,
0.4490


76.5654, 0.2965,
0.3651

64.7167, 0.2748,
0.4719


80.4983, 0.3035,
0.3480


63.6843, 0.2753,
0.4942

85.0148, 0.3108,
0.3328

 62.9997, 0.2777,
0.5151

 89.8421, 0.3170,
0.3192

 62.6646, 0.2803,
0.5292

 90.2124, 0.3134,
0.3136

Harmonies

Analogous

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



70.3467, 0.3398, 0.4320



70.3467, 0.2842, 0.4045



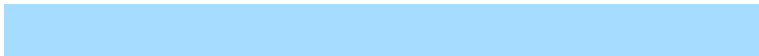
70.3467, 0.2388, 0.3503

Triad

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



70.3467, 0.2842, 0.4045



70.3467, 0.2350, 0.2399



70.3467, 0.4226, 0.3474

Complementary

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



70.3467, 0.2842, 0.4045



40.2464, 0.3589, 0.2649

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.



70.3467, 0.3896, 0.3039



70.3467, 0.2842, 0.4045



70.3467, 0.2780, 0.2448

Square

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



70.3467, 0.2842, 0.4045



70.3467, 0.2129, 0.2561



70.3467, 0.3347, 0.2676



70.3467, 0.4222, 0.3907

Rectangle

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



70.3467, 0.2842, 0.4045



70.3467, 0.2196, 0.3118



70.3467, 0.3347, 0.2676



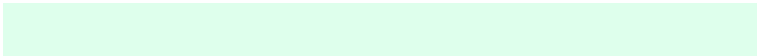
70.3467, 0.4150, 0.3325

Sweetspot

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



70.3496, 0.2842, 0.4045



93.0708, 0.3033, 0.3487



75.3460, 0.3453, 0.4464



19.6939, 0.3017, 0.3523



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.



70.3496, 0.2842, 0.4045



79.1594, 0.2801, 0.4231



72.7969, 0.2587, 0.3391



17.7668, 0.3058, 0.3430



34.6551, 0.2795, 0.5262



2.9024, 0.2723, 0.5002

Inverse Universe

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



40.2464, 0.3589, 0.2649



40.0963, 0.3723, 0.2529



38.3186, 0.4149, 0.3198



15.9123, 0.3203, 0.3154



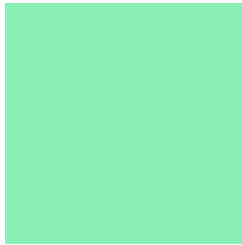
11.1879, 0.4626, 0.2322



0.9506, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 70.3467, 0.2842, 0.4045 looks on a white background.

Color Contrast Check

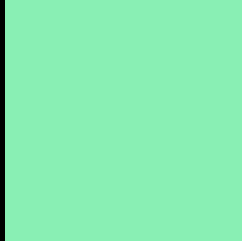
Large Text (above 18pt) WCAG AA × Fail

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 70.3467, 0.2842, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

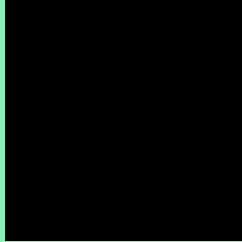
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3467, 0.2842, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 70.3467, 0.2842, 0.4045.

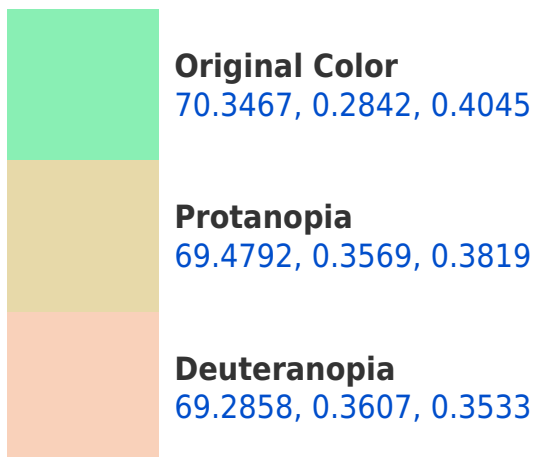


This preview shows how white text looks on a background with the Yxy color 70.3467, 0.2842, 0.4045.

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

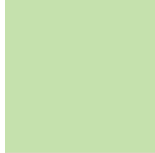
70.1432, 0.2563, 0.3079

Trichromacy



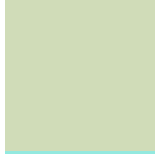
Original Color

70.3467, 0.2842, 0.4045



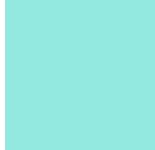
Protanomaly

68.7379, 0.3267, 0.3905



Deuteranomaly

68.0570, 0.3282, 0.3706



Tritanomaly

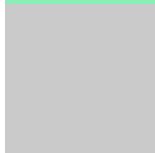
69.8086, 0.2662, 0.3410

Monochromacy



Original Color

70.3467, 0.2842, 0.4045



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.9609, 0.3001, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3467, 0.2842, 0.4045 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, 239, 180)` looks like.

```
.text, #text, p{  
    color:rgb(137, 239, 180)  
}
```

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, 239, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 239, 180) }
```

Border

The CSS property to change the border of an element to Yxy 70.3467, 0.2842, 0.4045 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, 239, 180) }
```

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

```
.border{ border-color:rgb(137, 239, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 239, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 239, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 239, 180);  
box-shadow:4px 4px 4px 4px rgb(137, 239,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3467, 0.2842, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 239, 180) }
```

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

```
.background{ background-color: rgb(137,  
239, 180) }
```

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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