

Converting Colors

$Yxy(65.0876, 0.2863, 0.4067)$

Have a look what the booklet for
Yxy(65.0876, 0.2863, 0.4067)
contains.

Yxy(65.1987, 0.2861, 0.4069)	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(65.1987, 0.2861, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	86E7AC
RGB	134, 231, 172
RGB Percent	53%, 91%, 67%
CMY	0.4748, 0.0940, 0.3255
CMYK	0.42, 0.00, 0.26, 0.09
HSL	144°, 67%, 72%
HSV	144°, 42%, 91%
XYZ	45.8426, 65.1987, 49.1914
YIQ	195.2710, -38.8730, -38.9130

Conversions

Conversions Part 2

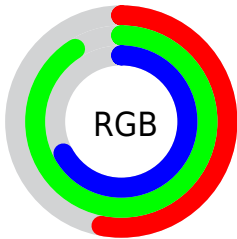
Format	Color
RYB	134, 204, 231
Decimal	8841132
CIELab	84.59, -41.45, 19.96
CIELCh	85, 46.001, 154.284
Yxy	65.1987, 0.2861, 0.4069
Android (android.graphics.Color)	4287031212 (0xFF86E7AC)
YUV	195.2710, -11.4726, -53.7347
Hunter-Lab	80.7457, -39.9634, 20.4017

Details

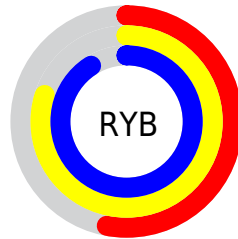
The Yxy color **65.1987, 0.2861, 0.4069** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.8666, 0.3548, 0.2630**, and the grayscale version is **54.8197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1978, 0.2895, 0.3584**, and **33.6116, 0.2788, 0.4298** is the 20% darker color. If you saturate the color by 10%, you get **62.9960, 0.2816, 0.4298**, and if you desaturate by 10%, it is **67.8783, 0.2916, 0.3855**.

Distribution



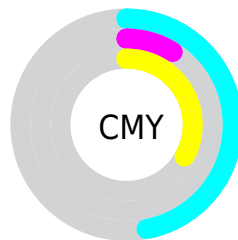
- Red (53%)
- Green (91%)
- Blue (67%)



- Red (53%)
- Yellow (80%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (26%)
- Black (9%)




- Cyan (47%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1987, 0.2861, 0.4069 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 65.1987, 0.2861, 0.4069 by changing the saturation by 10% instead.


 65.1987, 0.2861,
0.4069

 65.1987, 0.2861,
0.4069


443.5057, 0.2996,
0.3682


 47.6222, 0.2827,
0.4165

 112.3355, 0.2910,
0.3929

 33.5278, 0.2783,
0.4286


 142.6646, 0.2929,
0.3876

 22.5311, 0.2724,
0.4447


 178.0133, 0.2945,
0.3832

 14.2477, 0.2642,
0.4668

218.7661, 0.2958,
0.3793

 8.2931, 0.2519,
0.4989

265.3073, 0.2969,
0.3760

 4.2831, 0.2321,
0.5495

318.0214, 0.2979,

 1.8331, 0.1924,

0.3731

0.6742

377.2927, 0.2988,
0.3705

■ 0.5077, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1987, 0.2861,
0.4069

■ 65.1987, 0.2861,
0.4069

■ 62.9960, 0.2816,
0.4298

■ 67.8783, 0.2916,
0.3855

■ 61.2331, 0.2785,
0.4535

■ 71.0532, 0.2979,
0.3657

■ 59.8803, 0.2771,
0.4774


■ 74.7506, 0.3045,
0.3479

■ 58.9004, 0.2775,
0.5005

■ 78.9934, 0.3113,
0.3320

 58.2492, 0.2798,
0.5220

 83.8030, 0.3181,
0.3179

 57.9100, 0.2826,
0.5375

 85.6418, 0.3138,
0.3058

Harmonies

Analogous

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



65.1987, 0.3422, 0.4332



65.1987, 0.2861, 0.4069



65.1987, 0.2398, 0.3528

Triad

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



65.1987, 0.2861, 0.4069



65.1987, 0.2331, 0.2395



65.1987, 0.4227, 0.3457

Complementary

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



65.1987, 0.2861, 0.4069



37.8666, 0.3548, 0.2630

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.



65.1987, 0.3882, 0.3021



65.1987, 0.2861, 0.4069



65.1987, 0.2756, 0.2436

Square

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



65.1987, 0.2861, 0.4069



65.1987, 0.2118, 0.2567



65.1987, 0.3325, 0.2660



65.1987, 0.4237, 0.3894

Rectangle

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



65.1987, 0.2861, 0.4069



65.1987, 0.2199, 0.3139



65.1987, 0.3325, 0.2660



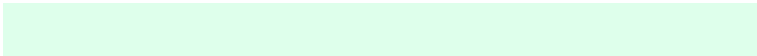
65.1987, 0.4146, 0.3307

Sweetspot

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



65.2014, 0.2861, 0.4069



93.0153, 0.3038, 0.3497



70.3230, 0.3473, 0.4434



19.6803, 0.3023, 0.3535



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.



65.2014, 0.2861, 0.4069



79.2645, 0.2823, 0.4257



67.3741, 0.2610, 0.3430



16.1823, 0.3063, 0.3436



32.4822, 0.2818, 0.5345



2.4181, 0.2736, 0.5051

Inverse Universe

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



37.8666, 0.3548, 0.2630



40.9764, 0.3667, 0.2508



36.0707, 0.4086, 0.3162



14.5145, 0.3198, 0.3148



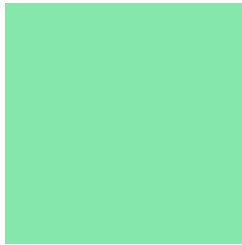
10.6179, 0.4504, 0.2255



0.8028, 0.4264, 0.2123

Previews

White Background



This preview shows how the Yxy color 65.1987, 0.2861, 0.4069 looks on a white background.

Color Contrast Check

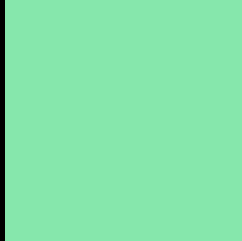
Large Text (above 18pt) WCAG AA × Fail

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 65.1987, 0.2861, 0.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

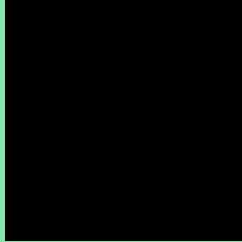
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1987, 0.2861, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 65.1987, 0.2861, 0.4069.



This preview shows how white text looks on a background with the Yxy color 65.1987, 0.2861, 0.4069.

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

65.1987, 0.2861, 0.4069

Protanopia

64.5491, 0.3583, 0.3835

Deuteranopia

64.1562, 0.3622, 0.3552



Tritanopia

65.0179, 0.2573, 0.3073

Trichromacy



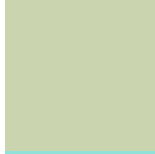
Original Color

65.1987, 0.2861, 0.4069



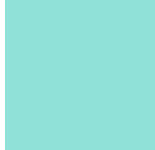
Protanomaly

63.9723, 0.3278, 0.3924



Deuteranomaly

63.2796, 0.3301, 0.3731



Tritanomaly

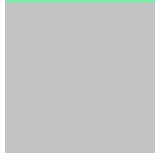
64.6860, 0.2675, 0.3414

Monochromacy



Original Color

65.1987, 0.2861, 0.4069



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.5838, 0.3012, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1987, 0.2861, 0.4069 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(134, 231, 172)` looks like.

```
.text, #text, p{  
    color:rgb(134, 231, 172)  
}
```

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(134, 231, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 231, 172) }
```

Border

The CSS property to change the border of an element to Yxy 65.1987, 0.2861, 0.4069 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(134, 231, 172) }
```

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

```
.border{ border-color:rgb(134, 231, 172) }
```

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

Here you see how a box with a 4 pixel rgb(134, 231, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 231, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 231, 172);  
box-shadow:4px 4px 4px 4px rgb(134, 231,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1987, 0.2861, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 231, 172) }
```

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

```
.background{ background-color: rgb(134,  
231, 172) }
```

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