

Converting Colors

$Yxy(61.6788, 0.2883, 0.4280)$

Have a look what the booklet for
Yxy(61.6788, 0.2883, 0.4280)
contains.

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Color

Yxy(61.4423, 0.2885, 0.4280)

Conversions

Conversions Part 1

Format	Color
Hex	7AE39B
RGB	122, 227, 155
RGB Percent	48%, 89%, 61%
CMY	0.5215, 0.1098, 0.3920
CMYK	0.46, 0.00, 0.32, 0.11
HSL	139°, 65%, 68%
HSV	139°, 46%, 89%
XYZ	41.4161, 61.4423, 40.6983
YIQ	187.3970, -39.4680, -44.6520

Conversions

Conversions Part 2

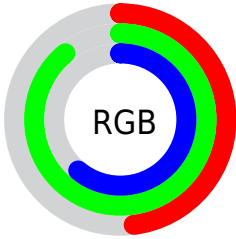
Format	Color
RYB	122, 202, 227
Decimal	8053659
CIELab	82.62, -46.00, 25.96
CIELCh	83, 52.822, 150.565
Yxy	61.4423, 0.2885, 0.4280
Android (android.graphics.Color)	4286243739 (0xFF7AE39B)
YUV	187.3970, -15.9717, -57.3532
Hunter-Lab	78.3851, -42.8605, 24.0856

Details

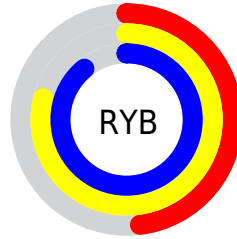
The Yxy color **61.4423, 0.2885, 0.4280** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.1520, 0.3516, 0.2482**, and the grayscale version is **50.0448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7568, 0.2922, 0.3798**, and **31.1951, 0.2806, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **59.4865, 0.2852, 0.4543**, and if you desaturate by 10%, it is **63.8575, 0.2929, 0.4030**.

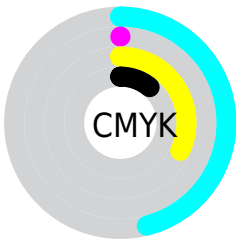
Distribution



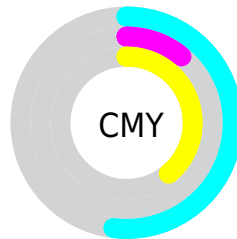
- Red (48%)
- Green (89%)
- Blue (61%)



- Red (48%)
- Yellow (79%)
- Blue (89%)



- Cyan (46%)
- Magenta (0%)
- Yellow (32%)
- Black (11%)




- Cyan (52%)
- Magenta (11%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.4423, 0.2885, 0.4280 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 61.4423, 0.2885, 0.4280 by changing the saturation by 10% instead.


 61.4423, 0.2885,
0.4280

 61.4423, 0.2885,
0.4280

429.8939, 0.3016,
0.3779

 44.5822, 0.2850,
0.4406


 106.9191, 0.2935,
0.4097

 31.1285, 0.2803,
0.4568


 136.3046, 0.2953,
0.4028

 20.6967, 0.2738,
0.4784


 170.6340, 0.2968,
0.3971

 12.9025, 0.2644,
0.5084

210.2918, 0.2980,
0.3921

 7.3614, 0.2496,
0.5525

255.6622, 0.2991,
0.3878

 3.6891, 0.2241,
0.6222

307.1298, 0.3000,

 1.5012, 0.1199,

0.3841

0.8801

365.0789, 0.3009,
0.3808

0.2896, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

61.4423, 0.2885,
0.4280

61.4423, 0.2885,
0.4280

59.4865, 0.2852,
0.4543

63.8575, 0.2929,
0.4030

57.9527, 0.2832,
0.4809


66.7517, 0.2979,
0.3797

56.8098, 0.2829,
0.5068

70.1524, 0.3034,
0.3586

56.0188, 0.2843,
0.5307


74.0827, 0.3091,
0.3397

 55.5314, 0.2872,
0.5514

 78.5644, 0.3149,
0.3230

 55.3972, 0.2884,
0.5583

 83.0005, 0.3182,
0.3081

 83.4176, 0.3140,
0.3019

Harmonies

Analogous

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



61.4423, 0.3537, 0.4526



61.4423, 0.2885, 0.4280



61.4423, 0.2332, 0.3653

Triad

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



61.4423, 0.2885, 0.4280



61.4423, 0.2165, 0.2270



61.4423, 0.4387, 0.3402

Complementary

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



61.4423, 0.2885, 0.4280



34.1520, 0.3516, 0.2482

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.



61.4423, 0.3938, 0.2916



61.4423, 0.2885, 0.4280



61.4423, 0.2620, 0.2294

Square

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



61.4423, 0.2885, 0.4280



61.4423, 0.1957, 0.2488



61.4423, 0.3266, 0.2524



61.4423, 0.4439, 0.3909

Rectangle

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



61.4423, 0.2885, 0.4280



61.4423, 0.2088, 0.3183



61.4423, 0.3266, 0.2524



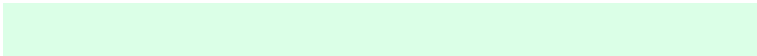
61.4423, 0.4276, 0.3234

Sweetspot

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



61.4448, 0.2885, 0.4280



92.3692, 0.3047, 0.3543



68.0134, 0.3566, 0.4523



19.5458, 0.3034, 0.3586



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.



61.4448, 0.2885, 0.4280



77.6455, 0.2854, 0.4519



63.5338, 0.2615, 0.3562



16.1634, 0.3073, 0.3455



32.3268, 0.2877, 0.5557



2.4052, 0.2795, 0.5262

Inverse Universe

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



34.1520, 0.3516, 0.2482



38.1632, 0.3623, 0.2340



32.2408, 0.4123, 0.3048



14.5340, 0.3186, 0.3130



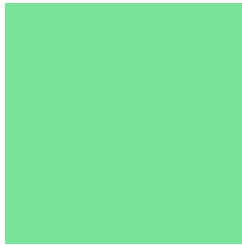
10.9390, 0.4198, 0.2086



0.8250, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 61.4423, 0.2885, 0.4280 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 61.4423, 0.2885, 0.4280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

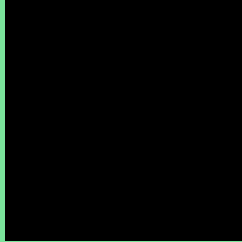
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.4423, 0.2885, 0.4280

Background



This preview shows how black text looks on a background with the Yxy color 61.4423, 0.2885, 0.4280.

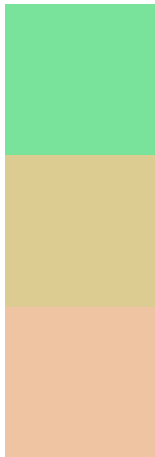


This preview shows how white text looks on a background with the Yxy color 61.4423, 0.2885, 0.4280.

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

61.4423, 0.2885, 0.4280

Protanopia

60.4457, 0.3695, 0.3973

Deuteranopia

60.4392, 0.3752, 0.3666



Tritanopia

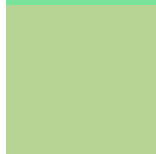
61.2289, 0.2547, 0.3079

Trichromacy



Original Color

61.4423, 0.2885, 0.4280



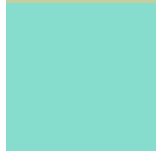
Protanomaly

59.4472, 0.3349, 0.4085



Deuteranomaly

58.8646, 0.3385, 0.3881



Tritanomaly

61.1890, 0.2669, 0.3496

Monochromacy



Original Color

61.4423, 0.2885, 0.4280



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.1227, 0.3020, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4423, 0.2885, 0.4280 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(122, 227, 155)` looks like.

```
.text, #text, p{  
    color:rgb(122, 227, 155)  
}
```

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(122, 227, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 227, 155) }
```

Border

The CSS property to change the border of an element to Yxy 61.4423, 0.2885, 0.4280 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(122, 227, 155) }
```

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

```
.border{ border-color:rgb(122, 227, 155) }
```

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

Here you see how a box with a 4 pixel rgb(122, 227, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 227, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 227, 155);  
box-shadow:4px 4px 4px 4px rgb(122, 227,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4423, 0.2885, 0.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 227, 155) }
```

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

```
.background{ background-color: rgb(122,  
227, 155) }
```

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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