

Converting Colors

Yxy(65.0741, 0.3178, 0.4253)

Have a look what the booklet for
Yxy(65.0741, 0.3178, 0.4253)
contains.

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Color

Yxy(65.2795, 0.3181, 0.4256)

Conversions

Conversions Part 1

Format	Color
Hex	A6E397
RGB	166, 227, 151
RGB Percent	65%, 89%, 59%
CMY	0.3488, 0.1098, 0.4078
CMYK	0.27, 0.00, 0.33, 0.11
HSL	108°, 58%, 74%
HSV	108°, 33%, 89%
XYZ	48.7909, 65.2795, 39.3119
YIQ	200.0970, -11.9600, -36.5680

Conversions

Conversions Part 2

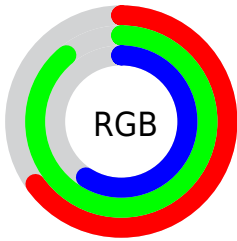
Format	Color
RYB	151, 227, 212
Decimal	10937239
CIELab	84.63, -33.39, 31.08
CIELCh	85, 45.620, 137.052
Yxy	65.2795, 0.3181, 0.4256
Android (android.graphics.Color)	4289127319 (0xFFA6E397)
YUV	200.0970, -24.2048, -29.9031
Hunter-Lab	80.7957, -33.6000, 27.7089

Details

The Yxy color **65.2795, 0.3181, 0.4256** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.6725, 0.3032, 0.2427**, and the grayscale version is **57.9883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5058, 0.3202, 0.3804**, and **33.4714, 0.3175, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **62.7833, 0.3187, 0.4593**, and if you desaturate by 10%, it is **68.2018, 0.3169, 0.3936**.

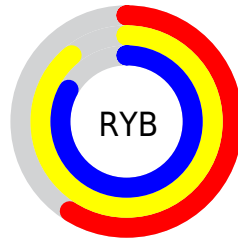
Distribution



Red (65%)

Green (89%)

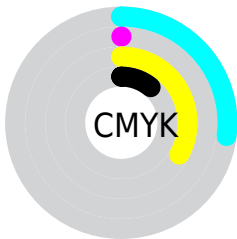
Blue (59%)



Red (59%)

Yellow (89%)

Blue (83%)

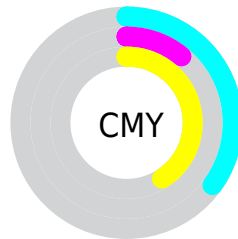


Cyan (27%)

Magenta (0%)

Yellow (33%)

Black (11%)



Cyan (35%)


Magenta (11%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2795, 0.3181, 0.4256 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 65.2795, 0.3181, 0.4256 by changing the saturation by 10% instead.


 65.2795, 0.3181,
0.4256

 65.2795, 0.3181,
0.4256


443.7957, 0.3170,
0.3777

 47.6878, 0.3179,
0.4373

 112.4516, 0.3181,
0.4084

 33.5797, 0.3174,
0.4522


 142.8007, 0.3179,
0.4018

 22.5709, 0.3163,
0.4716


178.1711, 0.3178,
0.3963

 14.2770, 0.3140,
0.4979

218.9472, 0.3176,
0.3915

 8.3136, 0.3091,
0.5353

265.5132, 0.3175,
0.3874

 4.2962, 0.2983,
0.5921

318.2538, 0.3173,

 1.8406, 0.2823,

0.3838

0.7177

377.5531, 0.3171,
0.3806

0.5123, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.2795, 0.3181,
0.4256

65.2795, 0.3181,
0.4256

62.7833, 0.3187,
0.4593

68.2018, 0.3169,
0.3936

60.6849, 0.3185,
0.4931

71.5603, 0.3153,
0.3641

58.9658, 0.3174,
0.5252

75.3751, 0.3134,
0.3375

57.6024, 0.3153,
0.5532

79.6627, 0.3114,
0.3139

■ 56.5683, 0.3122,
0.5750

■ 83.4140, 0.3140,
0.3019

■ 55.8330, 0.3085,
0.5893

■ 55.4907, 0.3062,
0.5951

Harmonies

Analogous

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



65.2795, 0.3726, 0.4307



65.2795, 0.3181, 0.4256



65.2795, 0.2648, 0.3854

Triad

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



65.2795, 0.3181, 0.4256



65.2795, 0.2188, 0.2473



65.2795, 0.4057, 0.3202

Complementary

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



65.2795, 0.3181, 0.4256



41.6725, 0.3032, 0.2427

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.



65.2795, 0.3571, 0.2804



65.2795, 0.3181, 0.4256



65.2795, 0.2494, 0.2395

Square

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



65.2795, 0.3181, 0.4256



65.2795, 0.2108, 0.2773



65.2795, 0.2989, 0.2517



65.2795, 0.4264, 0.3645

Rectangle

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



65.2795, 0.3181, 0.4256



65.2795, 0.2370, 0.3472



65.2795, 0.2989, 0.2517



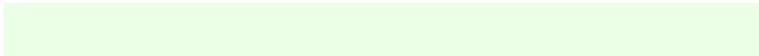
65.2795, 0.3919, 0.3061

Sweetspot

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



65.2823, 0.3181, 0.4256



94.7907, 0.3146, 0.3547



65.5498, 0.3681, 0.3972



20.1430, 0.3149, 0.3586



0.0000, 0.0000, 0.0000



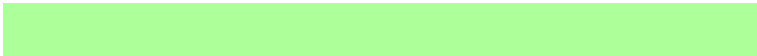
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.2823, 0.3181, 0.4256



82.7269, 0.3186, 0.4483



64.5631, 0.2948, 0.3978



16.2258, 0.3145, 0.3531



32.4036, 0.3069, 0.5945



2.4328, 0.3162, 0.5871

Inverse Universe

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



41.6725, 0.3032, 0.2427



47.6307, 0.3006, 0.2250



42.8366, 0.3371, 0.2691



14.4635, 0.3106, 0.3056



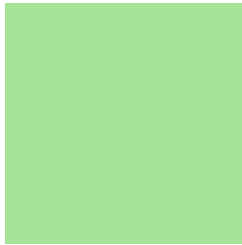
9.0876, 0.2714, 0.1269



0.7084, 0.2790, 0.1310

Previews

White Background



This preview shows how the Yxy color 65.2795, 0.3181, 0.4256 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 65.2795, 0.3181, 0.4256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

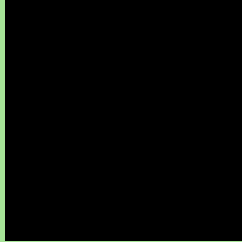
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2795, 0.3181, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 65.2795, 0.3181, 0.4256.



This preview shows how white text looks on a background with the Yxy color 65.2795, 0.3181, 0.4256.

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

65.2795, 0.3181, 0.4256

Protanopia

64.6008, 0.3746, 0.4028

Deuteranopia

64.6318, 0.3845, 0.3770



Tritanopia

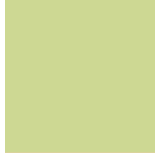
65.2695, 0.2770, 0.3092

Trichromacy



Original Color

65.2795, 0.3181, 0.4256



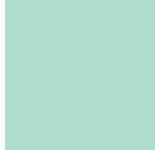
Protanomaly

64.1975, 0.3519, 0.4108



Deuteranomaly

63.8605, 0.3582, 0.3936



Tritanomaly

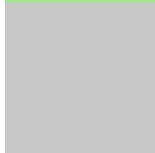
65.1865, 0.2919, 0.3496

Monochromacy



Original Color

65.2795, 0.3181, 0.4256



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.1620, 0.3156, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2795, 0.3181, 0.4256 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(166, 227, 151)` looks like.

```
.text, #text, p{  
    color:rgb(166, 227, 151)  
}
```

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(166, 227, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 227, 151) }
```

Border

The CSS property to change the border of an element to Yxy 65.2795, 0.3181, 0.4256 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(166, 227, 151) }
```

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

```
.border{ border-color:rgb(166, 227, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 227, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 227, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 227, 151);  
box-shadow:4px 4px 4px 4px rgb(166, 227,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2795, 0.3181, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 227, 151) }
```

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

```
.background{ background-color: rgb(166,  
227, 151) }
```

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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