

Converting Colors

Yxy(65.2965, 0.3367, 0.4800)

Have a look what the booklet for
Yxy(65.2965, 0.3367, 0.4800)
contains.

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Color

Yxy(65.2965, 0.3367, 0.4800)

Conversions

Conversions Part 1

Format	Color
Hex	A1E66E
RGB	161, 230, 110
RGB Percent	63%, 90%, 43%
CMY	0.3688, 0.0980, 0.5687
CMYK	0.30, 0.00, 0.52, 0.10
HSL	95°, 71%, 67%
HSV	95°, 52%, 90%
XYZ	45.8028, 65.2965, 24.9351
YIQ	195.6890, -2.6040, -51.9480

Conversions

Conversions Part 2

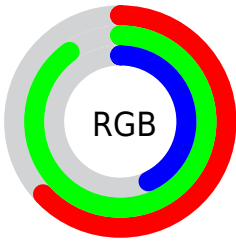
Format	Color
RYB	110, 230, 179
Decimal	10610286
CIELab	84.64, -41.78, 51.15
CIELCh	85, 66.041, 129.240
Yxy	65.2965, 0.3367, 0.4800
Android (android.graphics.Color)	4288800366 (0xFFA1E66E)
YUV	195.6890, -42.2447, -30.4223
Hunter-Lab	80.8062, -40.2332, 38.2687

Details

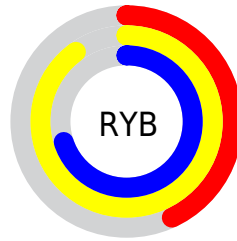
The Yxy color **65.2965, 0.3367, 0.4800** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.4492, 0.2692, 0.1851**, and the grayscale version is **55.2607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1058, 0.3414, 0.4263**, and **33.5708, 0.3366, 0.5207** is the 20% darker color. If you saturate the color by 10%, you get **63.5594, 0.3380, 0.5093**, and if you desaturate by 10%, it is **67.3148, 0.3338, 0.4491**.

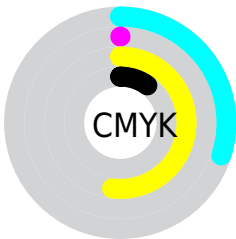
Distribution



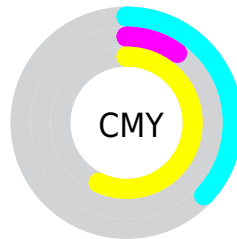
- Red (63%)
- Green (90%)
- Blue (43%)



- Red (43%)
- Yellow (90%)
- Blue (70%)



- Cyan (30%)
- Magenta (0%)
- Yellow (52%)
- Black (10%)




- Cyan (37%)
- Magenta (10%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2965, 0.3367, 0.4800 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 65.2965, 0.3367, 0.4800 by changing the saturation by 10% instead.


 65.2965, 0.3367,
0.4800


 65.2965, 0.3367,
0.4800

443.8567, 0.3293,
0.4051

 47.7015, 0.3371,
0.4979


 112.4760, 0.3351,
0.4533

 33.5906, 0.3367,
0.5202


 142.8294, 0.3342,
0.4431

 22.5793, 0.3349,
0.5486


 178.2043, 0.3333,
0.4344

 14.2831, 0.3299,
0.5852

 218.9853, 0.3324,
0.4269

 8.3179, 0.3191,
0.6351

265.5566, 0.3315,
0.4204

 4.2990, 0.2956,
0.7044

318.3026, 0.3307,

 1.8422, 0.2202,

0.4147

0.7798

377.6079, 0.3300,
0.4096

0.5133, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.2965, 0.3367,
0.4800

65.2965, 0.3367,
0.4800

63.5594, 0.3380,
0.5093

67.3148, 0.3338,
0.4491

62.0801, 0.3374,
0.5352


69.6192, 0.3297,
0.4181

60.8450, 0.3348,
0.5563


72.2250, 0.3248,
0.3882


59.8347, 0.3304,
0.5713

75.1440, 0.3195,
0.3601

 59.1804, 0.3260,
0.5793

 78.3871, 0.3139,
0.3343

 81.9646, 0.3084,
0.3109

 84.8135, 0.3129,
0.3048

 85.0807, 0.3138,
0.3049

Harmonies

Analogous

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



65.2965, 0.4109, 0.4657



65.2965, 0.3367, 0.4800



65.2965, 0.2602, 0.4339

Triad

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



65.2965, 0.3367, 0.4800



65.2965, 0.1781, 0.2213



65.2965, 0.4321, 0.2987

Complementary

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



65.2965, 0.3367, 0.4800



26.4492, 0.2692, 0.1851

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.



65.2965, 0.3535, 0.2495



65.2965, 0.3367, 0.4800



65.2965, 0.2104, 0.2059

Square

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



65.2965, 0.3367, 0.4800



65.2965, 0.1748, 0.2679



65.2965, 0.2713, 0.2166



65.2965, 0.4735, 0.3566

Rectangle

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



65.2965, 0.3367, 0.4800



65.2965, 0.2184, 0.3771



65.2965, 0.2713, 0.2166



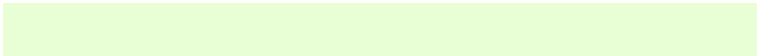
65.2965, 0.4085, 0.2809

Sweetspot

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



65.2993, 0.3367, 0.4800



93.4624, 0.3216, 0.3708



49.7910, 0.4183, 0.4054



19.8413, 0.3227, 0.3766



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.



65.2993, 0.3367, 0.4800



80.0771, 0.3380, 0.5125



61.2221, 0.3012, 0.4852



16.3868, 0.3180, 0.3528



33.5691, 0.3272, 0.5784



2.5344, 0.3386, 0.5693

Inverse Universe

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



26.4492, 0.2692, 0.1851



25.8231, 0.2566, 0.1558



33.2475, 0.3264, 0.2111



14.2944, 0.3070, 0.3054



6.0994, 0.2180, 0.0975



0.5052, 0.2325, 0.1055

Previews

White Background



This preview shows how the Yxy color 65.2965, 0.3367, 0.4800 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 65.2965, 0.3367, 0.4800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

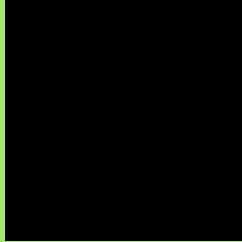
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2965, 0.3367, 0.4800

Background



This preview shows how black text looks on a background with the Yxy color 65.2965, 0.3367, 0.4800.



This preview shows how white text looks on a background with the Yxy color 65.2965, 0.3367, 0.4800.

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

65.2965, 0.3367, 0.4800

Protanopia

64.9116, 0.4046, 0.4422

Deuteranopia

64.4633, 0.4161, 0.4083



Tritanopia

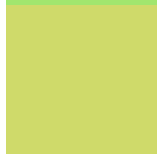
65.2695, 0.2770, 0.3092

Trichromacy



Original Color

65.2965, 0.3367, 0.4800



Protanomaly

64.4488, 0.3785, 0.4567



Deuteranomaly

63.7671, 0.3856, 0.4342



Tritanomaly

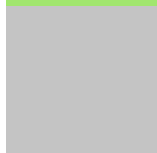
64.8009, 0.2998, 0.3698

Monochromacy



Original Color

65.2965, 0.3367, 0.4800



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.8956, 0.3238, 0.3835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2965, 0.3367, 0.4800 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(161, 230, 110)` looks like.

```
.text, #text, p{  
    color:rgb(161, 230, 110)  
}
```

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(161, 230, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 230, 110) }
```

Border

The CSS property to change the border of an element to Yxy 65.2965, 0.3367, 0.4800 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(161, 230, 110) }
```

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

```
.border{ border-color:rgb(161, 230, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 230, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 230, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 230, 110); box-shadow:4px 4px 4px 4px rgb(161, 230, 110) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2965, 0.3367, 0.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 230, 110) }
```

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

```
.background{ background-color: rgb(161,  
230, 110) }
```

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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