

Converting Colors

Yxy(66.7865, 0.3178, 0.4861)

Have a look what the booklet for
Yxy(66.7865, 0.3178, 0.4861)
contains.

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Color

Yxy(66.6320, 0.3181, 0.4864)

Conversions

Conversions Part 1

Format	Color
Hex	8AEC73
RGB	138, 236, 115
RGB Percent	54%, 93%, 45%
CMY	0.4586, 0.0745, 0.5490
CMYK	0.42, 0.00, 0.51, 0.07
HSL	109°, 76%, 69%
HSV	109°, 51%, 93%
XYZ	43.5766, 66.6320, 26.7816
YIQ	192.9040, -19.5670, -58.4070

Conversions

Conversions Part 2

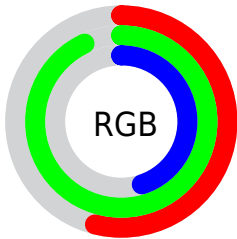
Format	Color
RYB	115, 236, 213
Decimal	9104499
CIELab	85.32, -51.17, 49.37
CIElCh	85, 71.107, 136.023
Yxy	66.6320, 0.3181, 0.4864
Android (android.graphics.Color)	4287294579 (0xFF8AEC73)
YUV	192.9040, -38.4067, -48.1508
Hunter-Lab	81.6284, -47.5592, 37.6874

Details

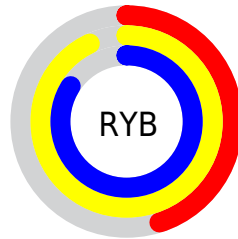
The Yxy color **66.6320, 0.3181, 0.4864** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **32.4543, 0.2966, 0.1976**, and the grayscale version is **53.5149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1203, 0.3244, 0.4253**, and **34.2935, 0.3137, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **64.6700, 0.3171, 0.5192**, and if you desaturate by 10%, it is **69.0254, 0.3182, 0.4523**.

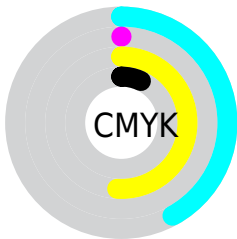
Distribution



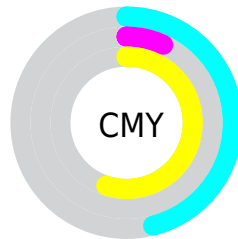
- Red (54%)
- Green (93%)
- Blue (45%)



- Red (45%)
- Yellow (93%)
- Blue (84%)



- Cyan (42%)
- Magenta (0%)
- Yellow (51%)
- Black (7%)




- Cyan (46%)
- Magenta (7%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6320, 0.3181, 0.4864 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 66.6320, 0.3181, 0.4864 by changing the saturation by 10% instead.

 66.6320, 0.3181,
0.4864

 66.6320, 0.3181,
0.4864


448.6337, 0.3196,
0.4075

 48.7856, 0.3164,
0.5056

 114.3929, 0.3196,
0.4580

 34.4495, 0.3136,
0.5296


 145.0763, 0.3199,
0.4473

 23.2391, 0.3086,
0.5606


 180.8075, 0.3200,
0.4381

 14.7702, 0.2997,
0.6012

221.9708, 0.3201,
0.4303

 8.6582, 0.2831,
0.6559

268.9507, 0.3200,
0.4235

 4.5189, 0.2560,
0.7440

322.1315, 0.3199,

 1.9679, 0.1556,

0.4175

0.8444

381.8978, 0.3198,
0.4122

0.5887, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.6320, 0.3181,
0.4864

66.6320, 0.3181,
0.4864

64.6700, 0.3171,
0.5192

69.0254, 0.3182,
0.4523

63.1049, 0.3152,
0.5484


71.8652, 0.3175,
0.4187


61.9109, 0.3123,
0.5716


75.1762, 0.3163,
0.3871


61.0548, 0.3088,
0.5875

78.9786, 0.3147,
0.3581

 60.5468, 0.3056,
0.5955

 83.2917, 0.3130,
0.3321

 88.0306, 0.3120,
0.3106

 88.4698, 0.3136,
0.3107

Harmonies

Analogous

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



66.6320, 0.3993, 0.4822



66.6320, 0.3181, 0.4864



66.6320, 0.2398, 0.4227

Triad

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



66.6320, 0.3181, 0.4864



66.6320, 0.1756, 0.2084



66.6320, 0.4549, 0.3094

Complementary

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



66.6320, 0.3181, 0.4864



32.4543, 0.2966, 0.1976

Split Complementary

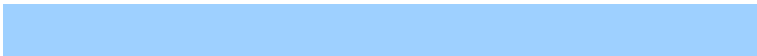
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.6320, 0.3767, 0.2552



66.6320, 0.3181, 0.4864



66.6320, 0.2162, 0.1993

Square

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



66.6320, 0.3181, 0.4864



66.6320, 0.1651, 0.2490



66.6320, 0.2867, 0.2163



66.6320, 0.4862, 0.3710

Rectangle

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



66.6320, 0.3181, 0.4864



66.6320, 0.2003, 0.3579



66.6320, 0.2867, 0.2163



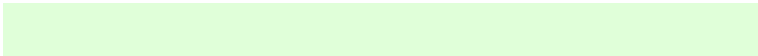
66.6320, 0.4326, 0.2902

Sweetspot

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



66.6348, 0.3181, 0.4864



92.3700, 0.3154, 0.3687



66.0560, 0.3999, 0.4318



19.5652, 0.3157, 0.3748



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.



66.6348, 0.3181, 0.4864



76.8948, 0.3170, 0.5223



65.8783, 0.2875, 0.4439



17.0002, 0.3144, 0.3532



33.4166, 0.3064, 0.5949



2.6625, 0.3150, 0.5881

Inverse Universe

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



32.4543, 0.2966, 0.1976



31.7392, 0.2914, 0.1734



34.2488, 0.3556, 0.2383



15.1603, 0.3107, 0.3056



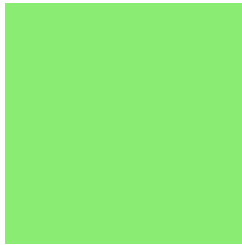
9.5005, 0.2732, 0.1279



0.7833, 0.2801, 0.1317

Previews

White Background



This preview shows how the Yxy color 66.6320, 0.3181, 0.4864 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 66.6320, 0.3181, 0.4864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

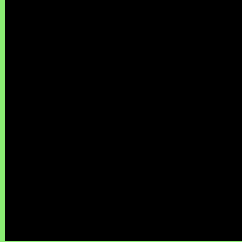
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.6320, 0.3181, 0.4864

Background



This preview shows how black text looks on a background with the Yxy color 66.6320, 0.3181, 0.4864.



This preview shows how white text looks on a background with the Yxy color 66.6320, 0.3181, 0.4864.

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

66.6320, 0.3181, 0.4864

Protanopia

65.6409, 0.4031, 0.4400

Deuteranopia

65.6378, 0.4086, 0.4018



Tritanopia

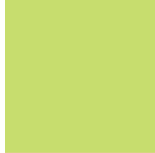
66.1109, 0.2632, 0.3077

Trichromacy



Original Color

66.6320, 0.3181, 0.4864



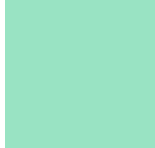
Protanomaly

64.9808, 0.3684, 0.4584



Deuteranomaly

64.1043, 0.3718, 0.4316



Tritanomaly

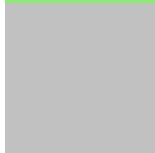
65.6506, 0.2839, 0.3693

Monochromacy



Original Color

66.6320, 0.3181, 0.4864



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

57.2018, 0.3160, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6320, 0.3181, 0.4864 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(138, 236, 115)` looks like.

```
.text, #text, p{  
    color:rgb(138, 236, 115)  
}
```

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(138, 236, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 236, 115) }
```

Border

The CSS property to change the border of an element to Yxy 66.6320, 0.3181, 0.4864 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(138, 236, 115) }
```

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

```
.border{ border-color:rgb(138, 236, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 236, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 236, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 236, 115); box-shadow:4px 4px 4px 4px rgb(138, 236, 115) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6320, 0.3181, 0.4864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 236, 115) }
```

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

```
.background{ background-color: rgb(138,  
236, 115) }
```

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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