

Converting Colors

Yxy(65.8574, 0.3063, 0.4871)

Have a look what the booklet for
Yxy(65.8574, 0.3063, 0.4871)
contains.

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Color

Yxy(65.9652, 0.3064, 0.4870)

Conversions

Conversions Part 1

Format	Color
Hex	79ED77
RGB	121, 237, 119
RGB Percent	47%, 93%, 47%
CMY	0.5253, 0.0706, 0.5335
CMYK	0.49, 0.00, 0.50, 0.07
HSL	119°, 77%, 70%
HSV	119°, 50%, 93%
XYZ	41.5025, 65.9652, 27.9844
YIQ	188.8640, -31.2580, -61.2900

Conversions

Conversions Part 2

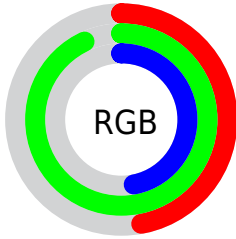
Format	Color
RYB	119, 237, 235
Decimal	7990647
CIELab	84.98, -55.92, 46.94
CIElCh	85, 73.014, 139.991
Yxy	65.9652, 0.3064, 0.4870
Android (android.graphics.Color)	4286180727 (0xFF79ED77)
YUV	188.8640, -34.4430, -59.5167
Hunter-Lab	81.2190, -50.9205, 36.4246

Details

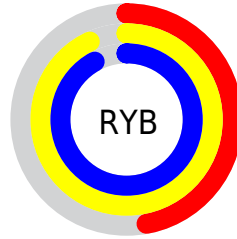
The Yxy color **65.9652, 0.3064, 0.4870** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.9449, 0.3164, 0.2083**, and the grayscale version is **51.0275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2404, 0.3124, 0.4236**, and **33.9776, 0.2991, 0.5311** is the 20% darker color. If you saturate the color by 10%, you get **63.9833, 0.3048, 0.5218**, and if you desaturate by 10%, it is **68.5004, 0.3080, 0.4510**.

Distribution



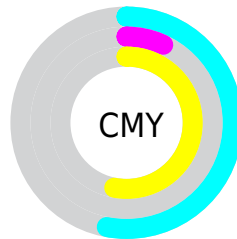
- Red (47%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (92%)



- Cyan (49%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9652, 0.3064, 0.4870 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 65.9652, 0.3064, 0.4870 by changing the saturation by 10% instead.


 65.9652, 0.3064,
0.4870


 65.9652, 0.3064,
0.4870


446.2524, 0.3134,
0.4072


 48.2442, 0.3035,
0.5067


 113.4364, 0.3098,
0.4581

 34.0203, 0.2992,
0.5315


 143.9553, 0.3108,
0.4472

 22.9092, 0.2924,
0.5638


 179.5090, 0.3116,
0.4379

 14.5265, 0.2813,
0.6067

220.4818, 0.3121,
0.4300

 8.4877, 0.2618,
0.6649

267.2582, 0.3126,
0.4232

 4.4086, 0.2327,
0.7673

320.2225, 0.3129,

 1.9046, 0.0997,

0.4172

0.9003

379.7591, 0.3132,
0.4119

■ 0.5512, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.9652, 0.3064,
0.4870

■ 65.9652, 0.3064,
0.4870

■ 63.9833, 0.3048,
0.5218

■ 68.5004, 0.3080,
0.4510

■ 62.5059, 0.3032,
0.5526


■ 71.6170, 0.3094,
0.4160


■ 61.4898, 0.3019,
0.5766

■ 75.3510, 0.3107,
0.3835


■ 60.8808, 0.3008,
0.5922

■ 79.7331, 0.3118,
0.3543

 60.5992, 0.3003,
0.5997

 84.7920, 0.3127,
0.3285

 60.5953, 0.3003,
0.5998

 89.0482, 0.3135,
0.3117

Harmonies

Analogous

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



65.9652, 0.3906, 0.4906



65.9652, 0.3064, 0.4870



65.9652, 0.2284, 0.4131

Triad

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



65.9652, 0.3064, 0.4870



65.9652, 0.1760, 0.2024



65.9652, 0.4668, 0.3166

Complementary

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



65.9652, 0.3064, 0.4870



36.9449, 0.3164, 0.2083

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.



65.9652, 0.3907, 0.2599



65.9652, 0.3064, 0.4870



65.9652, 0.2214, 0.1971

Square

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



65.9652, 0.3064, 0.4870



65.9652, 0.1612, 0.2389



65.9652, 0.2973, 0.2177



65.9652, 0.4909, 0.3798

Rectangle

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



65.9652, 0.3064, 0.4870



65.9652, 0.1909, 0.3452



65.9652, 0.2973, 0.2177



65.9652, 0.4460, 0.2966

Sweetspot

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



65.9680, 0.3064, 0.4870



91.3342, 0.3112, 0.3692



77.6501, 0.3876, 0.4464



19.3196, 0.3110, 0.3755



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.



65.9680, 0.3064, 0.4870



75.4652, 0.3047, 0.5232



67.5451, 0.2780, 0.4124



16.8749, 0.3118, 0.3533



33.0888, 0.3004, 0.5997



2.6028, 0.3015, 0.5988

Inverse Universe

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



36.9449, 0.3164, 0.2083



37.4718, 0.3168, 0.1883



34.5626, 0.3762, 0.2603



15.2994, 0.3135, 0.3058



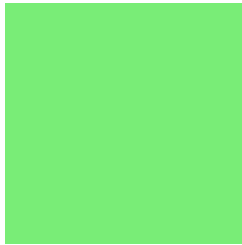
12.7842, 0.3165, 0.1517



1.0082, 0.3172, 0.1521

Previews

White Background



This preview shows how the Yxy color 65.9652, 0.3064, 0.4870 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 65.9652, 0.3064, 0.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

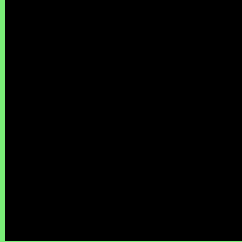
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9652, 0.3064, 0.4870

Background



This preview shows how black text looks on a background with the Yxy color 65.9652, 0.3064, 0.4870.



This preview shows how white text looks on a background with the Yxy color 65.9652, 0.3064, 0.4870.

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

65.9652, 0.3064, 0.4870

Protanopia

64.8701, 0.4002, 0.4371

Deuteranopia

64.6183, 0.4119, 0.4027



Tritanopia

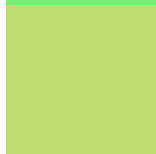
65.3293, 0.2554, 0.3073

Trichromacy



Original Color

65.9652, 0.3064, 0.4870



Protanomaly

63.5851, 0.3616, 0.4570



Deuteranomaly

62.6956, 0.3679, 0.4336



Tritanomaly

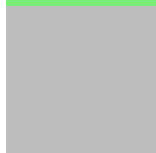
64.9213, 0.2744, 0.3688

Monochromacy



Original Color

65.9652, 0.3064, 0.4870



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

54.7155, 0.3101, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9652, 0.3064, 0.4870 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(121, 237, 119)` looks like.

```
.text, #text, p{  
    color:rgb(121, 237, 119)  
}
```

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(121, 237, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 237, 119) }
```

Border

The CSS property to change the border of an element to Yxy 65.9652, 0.3064, 0.4870 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(121, 237, 119) }
```

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

```
.border{ border-color:rgb(121, 237, 119) }
```

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

Here you see how a box with a 4 pixel rgb(121, 237, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 237, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 237, 119);  
box-shadow:4px 4px 4px 4px rgb(121, 237,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9652, 0.3064, 0.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 237, 119) }
```

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

```
.background{ background-color: rgb(121,  
237, 119) }
```

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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