

Converting Colors

$Yxy(64.6879, 0.3288, 0.4798)$

Have a look what the booklet for
Yxy(64.6879, 0.3288, 0.4798)
contains.

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Color

Yxy(64.4613, 0.3290, 0.4795)

Conversions

Conversions Part 1

Format	Color
Hex	98E671
RGB	152, 230, 113
RGB Percent	60%, 90%, 44%
CMY	0.4039, 0.0980, 0.5567
CMYK	0.34, 0.00, 0.51, 0.10
HSL	100°, 70%, 67%
HSV	100°, 51%, 90%
XYZ	44.2289, 64.4613, 25.7442
YIQ	193.3400, -8.9310, -52.9230

Conversions

Conversions Part 2

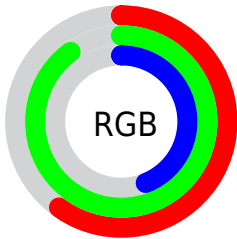
Format	Color
RYB	113, 230, 191
Decimal	10020465
CIELab	84.21, -44.46, 49.10
CIElCh	84, 66.236, 132.163
Yxy	64.4613, 0.3290, 0.4795
Android (android.graphics.Color)	4288210545 (0xFF98E671)
YUV	193.3400, -39.6076, -36.2552
Hunter-Lab	80.2878, -42.1716, 37.1902

Details

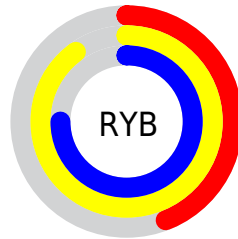
The Yxy color **64.4613, 0.3290, 0.4795** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **28.6126, 0.2807, 0.1927**, and the grayscale version is **53.7848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8653, 0.3338, 0.4249**, and **33.0958, 0.3271, 0.5203** is the 20% darker color. If you saturate the color by 10%, you get **62.6242, 0.3294, 0.5105**, and if you desaturate by 10%, it is **66.6266, 0.3273, 0.4472**.

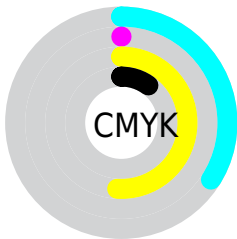
Distribution



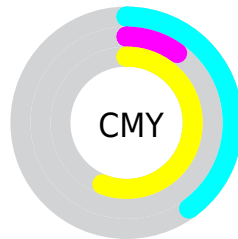
- Red (60%)
- Green (90%)
- Blue (44%)



- Red (44%)
- Yellow (90%)
- Blue (75%)



- Cyan (34%)
- Magenta (0%)
- Yellow (51%)
- Black (10%)




- Cyan (40%)
- Magenta (10%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4613, 0.3290, 0.4795 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 64.4613, 0.3290, 0.4795 by changing the saturation by 10% instead.


 64.4613, 0.3290,
0.4795


 64.4613, 0.3290,
0.4795


440.8536, 0.3251,
0.4043


 47.0244, 0.3286,
0.4977


 111.2750, 0.3286,
0.4525

 33.0549, 0.3274,
0.5206


 141.4206, 0.3281,
0.4422

 22.1685, 0.3244,
0.5498


 176.5713, 0.3276,
0.4335

 13.9808, 0.3181,
0.5882

217.1113, 0.3271,
0.4260

 8.1073, 0.3052,
0.6402

263.4252, 0.3266,
0.4195

 4.1637, 0.2809,
0.7191

315.8972, 0.3260,

 1.7655, 0.1882,

0.4138

0.8118

374.9119, 0.3256,
0.4088

■ 0.4656, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4613, 0.3290,
0.4795

■ 64.4613, 0.3290,
0.4795

■ 62.6242, 0.3294,
0.5105

■ 66.6266, 0.3273,
0.4472

■ 61.0896, 0.3282,
0.5383


■ 69.1277, 0.3245,
0.4153

■ 59.8409, 0.3253,
0.5611

■ 71.9822, 0.3210,
0.3849

■ 58.8560, 0.3210,
0.5775

■ 75.2039, 0.3171,
0.3567

 58.1573, 0.3163,
0.5871

 78.8060, 0.3131,
0.3311

 82.8009, 0.3090,
0.3081

 85.0748, 0.3138,
0.3048

Harmonies

Analogous

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



64.4613, 0.4049, 0.4701



64.4613, 0.3290, 0.4795



64.4613, 0.2529, 0.4273

Triad

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



64.4613, 0.3290, 0.4795



64.4613, 0.1792, 0.2178



64.4613, 0.4391, 0.3039

Complementary

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



64.4613, 0.3290, 0.4795



28.6126, 0.2807, 0.1927

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.



64.4613, 0.3622, 0.2532



64.4613, 0.3290, 0.4795



64.4613, 0.2145, 0.2051

Square

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



64.4613, 0.3290, 0.4795



64.4613, 0.1730, 0.2614



64.4613, 0.2784, 0.2183



64.4613, 0.4759, 0.3625

Rectangle

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



64.4613, 0.3290, 0.4795



64.4613, 0.2126, 0.3685



64.4613, 0.2784, 0.2183



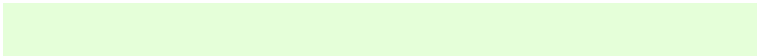
64.4613, 0.4165, 0.2857

Sweetspot

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



64.4641, 0.3290, 0.4795



93.2561, 0.3188, 0.3683



55.2842, 0.4080, 0.4157



19.7766, 0.3196, 0.3743



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.



64.4641, 0.3290, 0.4795



79.0352, 0.3294, 0.5120



61.7886, 0.2956, 0.4647



16.3212, 0.3166, 0.3529



32.9844, 0.3173, 0.5863



2.4867, 0.3285, 0.5774

Inverse Universe

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



28.6126, 0.2807, 0.1927



28.9502, 0.2716, 0.1665



33.3206, 0.3380, 0.2242



14.3621, 0.3085, 0.3055



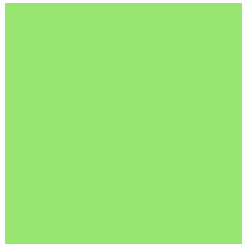
7.1584, 0.2386, 0.1088



0.5792, 0.2508, 0.1155

Previews

White Background



This preview shows how the Yxy color 64.4613, 0.3290, 0.4795 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 64.4613, 0.3290, 0.4795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

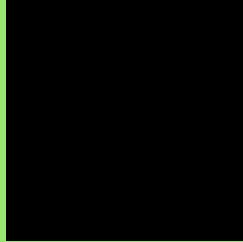
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4613, 0.3290, 0.4795

Background



This preview shows how black text looks on a background with the Yxy color 64.4613, 0.3290, 0.4795.

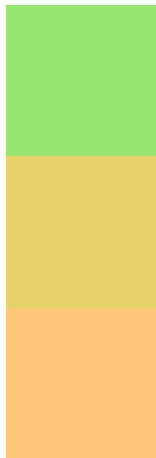


This preview shows how white text looks on a background with the Yxy color 64.4613, 0.3290, 0.4795.

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

64.4613, 0.3290, 0.4795

Protanopia

63.6305, 0.4029, 0.4393

Deuteranopia

63.2982, 0.4179, 0.4085



Tritanopia

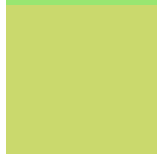
64.3369, 0.2721, 0.3089

Trichromacy



Original Color

64.4613, 0.3290, 0.4795



Protanomaly

63.2864, 0.3732, 0.4548



Deuteranomaly

62.1529, 0.3833, 0.4336



Tritanomaly

63.9596, 0.2940, 0.3691

Monochromacy



Original Color

64.4613, 0.3290, 0.4795



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.2879, 0.3208, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4613, 0.3290, 0.4795 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(152, 230, 113)` looks like.

```
.text, #text, p{  
    color:rgb(152, 230, 113)  
}
```

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(152, 230, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 230, 113) }
```

Border

The CSS property to change the border of an element to Yxy 64.4613, 0.3290, 0.4795 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(152, 230, 113) }
```

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

```
.border{ border-color:rgb(152, 230, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 230, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 230, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 230, 113);  
box-shadow:4px 4px 4px 4px rgb(152, 230,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4613, 0.3290, 0.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 230, 113) }
```

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

```
.background{ background-color: rgb(152,  
230, 113) }
```

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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