

Converting Colors

Yxy(66.4652, 0.2944, 0.4293)

Have a look what the booklet for
Yxy(66.4652, 0.2944, 0.4293)
contains.

Yxy(66.4652, 0.2944, 0.4293)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.4652, 0.2944, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	87EA9E
RGB	135, 234, 158
RGB Percent	53%, 92%, 62%
CMY	0.4708, 0.0823, 0.3804
CMYK	0.42, 0.00, 0.32, 0.08
HSL	134°, 70%, 72%
HSV	134°, 42%, 92%
XYZ	45.5797, 66.4652, 42.7774
YIQ	195.7350, -34.6080, -44.6240

Conversions

Conversions Part 2

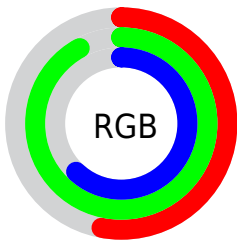
Format	Color
RYB	135, 215, 234
Decimal	8907422
CIELab	85.23, -44.99, 28.06
CIELCh	85, 53.019, 148.047
Yxy	66.4652, 0.2944, 0.4293
Android (android.graphics.Color)	4287097502 (0xFF87EA9E)
YUV	195.7350, -18.6034, -53.2646
Hunter-Lab	81.5262, -42.8750, 25.9584

Details

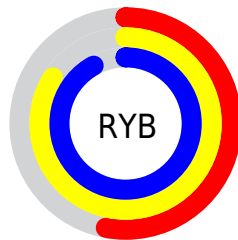
The Yxy color **66.4652, 0.2944, 0.4293** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.5075, 0.3392, 0.2466**, and the grayscale version is **55.1580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5306, 0.2980, 0.3753**, and **34.5011, 0.2876, 0.4581** is the 20% darker color. If you saturate the color by 10%, you get **64.1627, 0.2913, 0.4582**, and if you desaturate by 10%, it is **69.2900, 0.2982, 0.4018**.

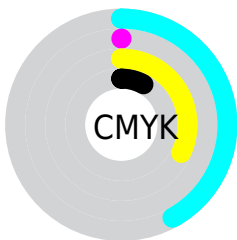
Distribution



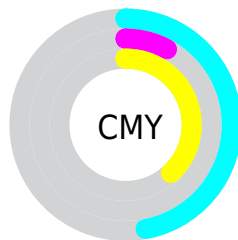
- Red (53%)
- Green (92%)
- Blue (62%)



- Red (53%)
- Yellow (84%)
- Blue (92%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (8%)




- Cyan (47%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.4652, 0.2944, 0.4293 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 66.4652, 0.2944, 0.4293 by changing the saturation by 10% instead.


 66.4652, 0.2944,
0.4293


 66.4652, 0.2944,
0.4293


448.0388, 0.3046,
0.3792


 48.6501, 0.2916,
0.4417


 114.1538, 0.2983,
0.4112

 34.3420, 0.2878,
0.4575


 144.7961, 0.2997,
0.4043

 23.1565, 0.2826,
0.4782


 180.4829, 0.3009,
0.3986

 14.7091, 0.2749,
0.5067

221.5986, 0.3019,
0.3936

 8.6155, 0.2628,
0.5477

268.5277, 0.3027,
0.3893

 4.4912, 0.2418,
0.6107


321.6545, 0.3034,

 1.9520, 0.2054,


0.3855


0.7946


381.3634, 0.3040,
0.3822


 0.5793, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.4652, 0.2944,
0.4293

 66.4652, 0.2944,
0.4293


 64.1627, 0.2913,
0.4582


 69.2900, 0.2982,
0.4018


 62.3421, 0.2893,
0.4876


 72.6583, 0.3025,
0.3765


 60.9703, 0.2885,
0.5159


 76.5998, 0.3071,
0.3537

 60.0062, 0.2892,
0.5416

 81.1399, 0.3117,
0.3334

 59.4011, 0.2913,
0.5631

 86.3023, 0.3161,
0.3156

 59.1236, 0.2934,
0.5762

 87.3328, 0.3137,
0.3088

Harmonies

Analogous

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



66.4652, 0.3583, 0.4497



66.4652, 0.2944, 0.4293



66.4652, 0.2387, 0.3704

Triad

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



66.4652, 0.2944, 0.4293



66.4652, 0.2158, 0.2298



66.4652, 0.4335, 0.3360

Complementary

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



66.4652, 0.2944, 0.4293



39.5075, 0.3392, 0.2466

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.



66.4652, 0.3870, 0.2887



66.4652, 0.2944, 0.4293



66.4652, 0.2585, 0.2302

Square

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



66.4652, 0.2944, 0.4293



66.4652, 0.1974, 0.2535



66.4652, 0.3207, 0.2513



66.4652, 0.4422, 0.3859

Rectangle

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



66.4652, 0.2944, 0.4293



66.4652, 0.2133, 0.3243



66.4652, 0.3207, 0.2513



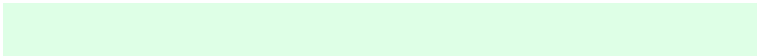
66.4652, 0.4217, 0.3196

Sweetspot

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



66.4680, 0.2944, 0.4293



92.7148, 0.3067, 0.3552



74.6791, 0.3597, 0.4396



19.6067, 0.3057, 0.3601



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.



66.4680, 0.2944, 0.4293



78.2504, 0.2916, 0.4550



68.4525, 0.2690, 0.3643



16.9196, 0.3084, 0.3476



33.2363, 0.2927, 0.5739



2.6243, 0.2855, 0.5479

Inverse Universe

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



39.5075, 0.3392, 0.2466



41.3357, 0.3467, 0.2307



37.4518, 0.3907, 0.2974



15.2503, 0.3173, 0.3111



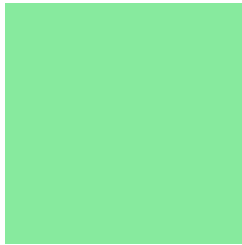
11.6909, 0.3901, 0.1923



0.9326, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 66.4652, 0.2944, 0.4293 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 66.4652, 0.2944, 0.4293 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 66.4652, 0.2944, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 66.4652, 0.2944, 0.4293.



This preview shows how white text looks on a background with the Yxy color 66.4652, 0.2944, 0.4293.

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

66.4652, 0.2944, 0.4293

Protanopia

65.7191, 0.3710, 0.4005

Deuteranopia

65.3849, 0.3779, 0.3695



Tritanopia

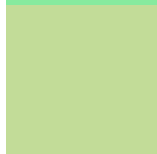
66.4944, 0.2582, 0.3075

Trichromacy



Original Color

66.4652, 0.2944, 0.4293



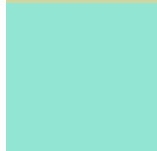
Protanomaly

64.9227, 0.3390, 0.4113



Deuteranomaly

63.9672, 0.3437, 0.3904



Tritanomaly

66.3009, 0.2712, 0.3501

Monochromacy



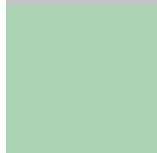
Original Color

66.4652, 0.2944, 0.4293



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.4693, 0.3052, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4652, 0.2944, 0.4293 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(135, 234, 158)` looks like.

```
.text, #text, p{  
    color:rgb(135, 234, 158)  
}
```

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(135, 234, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 234, 158) }
```

Border

The CSS property to change the border of an element to Yxy 66.4652, 0.2944, 0.4293 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(135, 234, 158) }
```

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

```
.border{ border-color:rgb(135, 234, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 234, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 234, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 234, 158); box-shadow:4px 4px 4px 4px rgb(135, 234, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4652, 0.2944, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 234, 158) }
```

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

```
.background{ background-color: rgb(135,  
234, 158) }
```

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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