

Converting Colors

Yxy(58.4401, 0.3132, 0.4710)

Have a look what the booklet for
Yxy(58.4401, 0.3132, 0.4710)
contains.

Yxy(58.3998, 0.3133, 0.4714)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.3998, 0.3133, 0.4714)

Conversions

Conversions Part 1

Format	Color
Hex	83DE77
RGB	131, 222, 119
RGB Percent	51%, 87%, 47%
CMY	0.4862, 0.1294, 0.5334
CMYK	0.41, 0.00, 0.46, 0.13
HSL	113°, 61%, 67%
HSV	113°, 46%, 87%
XYZ	38.8134, 58.3998, 26.6726
YIQ	183.0490, -21.1730, -51.3250

Conversions

Conversions Part 2

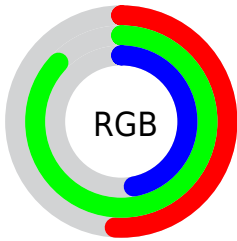
Format	Color
RYB	119, 222, 210
Decimal	8642167
CIELab	80.96, -46.98, 42.03
CIElCh	81, 63.040, 138.182
Yxy	58.3998, 0.3133, 0.4714
Android (android.graphics.Color)	4286832247 (0xFF83DE77)
YUV	183.0490, -31.5762, -45.6470
Hunter-Lab	76.4198, -43.0748, 32.8000

Details

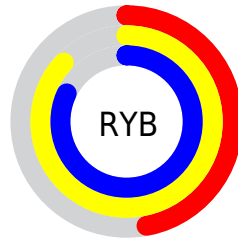
The Yxy color **58.3998, 0.3133, 0.4714** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.1580, 0.3062, 0.2124**, and the grayscale version is **47.5712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2285, 0.3172, 0.4222**, and **29.1456, 0.3080, 0.5129** is the 20% darker color. If you saturate the color by 10%, you get **56.5093, 0.3122, 0.5058**, and if you desaturate by 10%, it is **60.7159, 0.3138, 0.4367**.

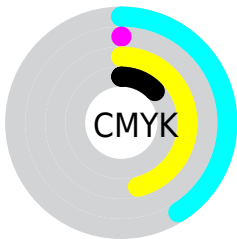
Distribution



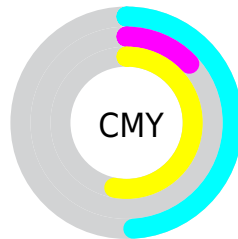
- Red (51%)
- Green (87%)
- Blue (47%)



- Red (47%)
- Yellow (87%)
- Blue (82%)



- Cyan (41%)
- Magenta (0%)
- Yellow (46%)
- Black (13%)





- Cyan (49%)
- Magenta (13%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3998, 0.3133, 0.4714 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 58.3998, 0.3133, 0.4714 by changing the saturation by 10% instead.


 58.3998, 0.3133,
0.4714


 58.3998, 0.3133,
0.4714


418.6740, 0.3163,
0.3984


 42.1301, 0.3115,
0.4898


 102.5048, 0.3152,
0.4447

 29.2032, 0.3085,
0.5132


 131.1090, 0.3156,
0.4347

 19.2346, 0.3035,
0.5441


 164.5935, 0.3159,
0.4263

 11.8399, 0.2945,
0.5860

203.3426, 0.3161,
0.4191

 6.6348, 0.2777,
0.6452

247.7409, 0.3162,
0.4129

 3.2348, 0.2499,
0.7501

298.1726, 0.3163,

 1.2555, 0.0051,

0.4074

0.9949

355.0222, 0.3163,
0.4027

■ 0.1063, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3998, 0.3133,
0.4714

■ 58.3998, 0.3133,
0.4714

■ 56.5093, 0.3122,
0.5058

■ 60.7159, 0.3138,
0.4367

■ 55.0116, 0.3106,
0.5377


■ 63.4737, 0.3139,
0.4034


■ 53.8807, 0.3084,
0.5644


■ 66.6972, 0.3137,
0.3727

■ 53.0843, 0.3059,
0.5839

■ 70.4068, 0.3131,
0.3450

 52.5841, 0.3033,
0.5952

 74.6213, 0.3125,
0.3206

 52.4623, 0.3026,
0.5980

 79.3589, 0.3117,
0.2992

 80.7232, 0.3142,
0.2970

Harmonies

Analogous

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



58.3998, 0.3898, 0.4739



58.3998, 0.3133, 0.4714



58.3998, 0.2408, 0.4091

Triad

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



58.3998, 0.3133, 0.4714



58.3998, 0.1857, 0.2146



58.3998, 0.4483, 0.3156

Complementary

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



58.3998, 0.3133, 0.4714



32.1580, 0.3062, 0.2124

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.



58.3998, 0.3783, 0.2633



58.3998, 0.3133, 0.4714



58.3998, 0.2264, 0.2075

Square

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



58.3998, 0.3133, 0.4714



58.3998, 0.1737, 0.2512



58.3998, 0.2945, 0.2251



58.3998, 0.4742, 0.3743

Rectangle

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



58.3998, 0.3133, 0.4714



58.3998, 0.2047, 0.3498



58.3998, 0.2945, 0.2251



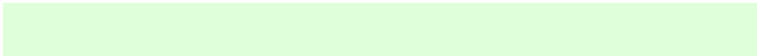
58.3998, 0.4287, 0.2971

Sweetspot

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



58.4023, 0.3133, 0.4714



92.4138, 0.3136, 0.3660



62.1024, 0.3876, 0.4293



19.5560, 0.3137, 0.3723



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.



58.4023, 0.3133, 0.4714



77.3536, 0.3122, 0.5059



58.5897, 0.2855, 0.4204



15.4136, 0.3133, 0.3531



31.1859, 0.3031, 0.5976



2.1875, 0.3102, 0.5919

Inverse Universe

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



32.1580, 0.3062, 0.2124



37.0816, 0.3038, 0.1902



32.1892, 0.3578, 0.2537



13.8500, 0.3119, 0.3058



10.1381, 0.2917, 0.1381



0.7261, 0.2965, 0.1407

Previews

White Background



This preview shows how the Yxy color 58.3998, 0.3133, 0.4714 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 58.3998, 0.3133, 0.4714 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 58.3998, 0.3133, 0.4714

Background



This preview shows how black text looks on a background with the Yxy color 58.3998, 0.3133, 0.4714.



This preview shows how white text looks on a background with the Yxy color 58.3998, 0.3133, 0.4714.

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

58.3998, 0.3133, 0.4714

Protanopia

57.6719, 0.3956, 0.4301

Deuteranopia

57.4687, 0.4078, 0.3994



Tritanopia

58.2185, 0.2626, 0.3077

Trichromacy



Original Color

58.3998, 0.3133, 0.4714



Protanomaly

57.0180, 0.3624, 0.4460



Deuteranomaly

56.0886, 0.3699, 0.4253



Tritanomaly

57.6533, 0.2813, 0.3634

Monochromacy



Original Color

58.3998, 0.3133, 0.4714



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.3631, 0.3135, 0.3793

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3998, 0.3133, 0.4714 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(131, 222, 119)` looks like.

```
.text, #text, p{  
    color:rgb(131, 222, 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(131, 222, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 222, 119) }
```

Border

The CSS property to change the border of an element to Yxy 58.3998, 0.3133, 0.4714 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(131, 222, 119) }
```

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

```
.border{ border-color:rgb(131, 222, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 222, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 222, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 222, 119);  
box-shadow:4px 4px 4px 4px rgb(131, 222,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3998, 0.3133, 0.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 222, 119) }
```

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

```
.background{ background-color: rgb(131,  
222, 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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