

Converting Colors

$Yxy(59.2291, 0.3058, 0.4455)$

Have a look what the booklet for
Yxy(59.2291, 0.3058, 0.4455)
contains.

Yxy(59.1996, 0.3060, 0.4458)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(59.1996, 0.3060, 0.4458)

Conversions

Conversions Part 1

Format	Color
Hex	87DE89
RGB	135, 222, 137
RGB Percent	53%, 87%, 54%
CMY	0.4704, 0.1294, 0.4627
CMYK	0.39, 0.00, 0.38, 0.13
HSL	121°, 57%, 70%
HSV	121°, 39%, 87%
XYZ	40.6350, 59.1996, 32.9595
YIQ	186.2970, -24.5670, -44.8790

Conversions

Conversions Part 2

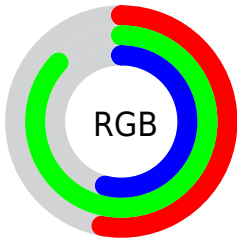
Format	Color
RYB	135, 220, 222
Decimal	8904329
CIELab	81.40, -43.17, 33.65
CIElCh	81, 54.729, 142.066
Yxy	59.1996, 0.3060, 0.4458
Android (android.graphics.Color)	4287094409 (0xFF87DE89)
YUV	186.2970, -24.3034, -44.9875
Hunter-Lab	76.9413, -40.3760, 28.4607

Details

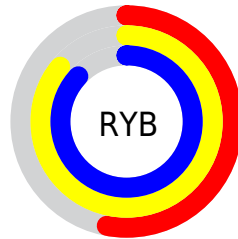
The Yxy color **59.1996, 0.3060, 0.4458** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **38.0385, 0.3190, 0.2347**, and the grayscale version is **49.4352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3580, 0.3093, 0.4008**, and **29.6498, 0.3013, 0.4796** is the 20% darker color. If you saturate the color by 10%, you get **56.9865, 0.3042, 0.4812**, and if you desaturate by 10%, it is **61.9269, 0.3079, 0.4117**.

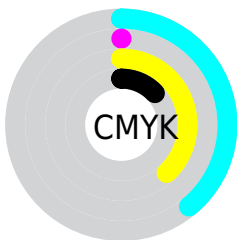
Distribution



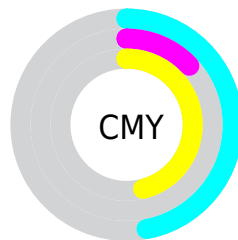
- Red (53%)
- Green (87%)
- Blue (54%)



- Red (53%)
- Yellow (86%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (38%)
- Black (13%)





- Cyan (47%)
- Magenta (13%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1996, 0.3060, 0.4458 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 59.1996, 0.3060, 0.4458 by changing the saturation by 10% instead.

 59.1996, 0.3060,
0.4458


 59.1996, 0.3060,
0.4458

421.6412, 0.3114,
0.3863


 42.7738, 0.3040,
0.4608


 103.6677, 0.3084,
0.4240

 29.7077, 0.3012,
0.4801


 132.4788, 0.3092,
0.4159

 19.6168, 0.2967,
0.5058


 166.1872, 0.3098,
0.4090

 12.1168, 0.2894,
0.5412

205.1771, 0.3102,
0.4031

 6.8233, 0.2763,
0.5924

249.8331, 0.3106,
0.3980

 3.3518, 0.2590,
0.6940

300.5395, 0.3109,

 1.3181, 0.0997,

0.3936

0.9003

357.6808, 0.3112,
0.3897

■ 0.1551, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.1996, 0.3060,
0.4458

■ 59.1996, 0.3060,
0.4458

■ 56.9865, 0.3042,
0.4812

■ 61.9269, 0.3079,
0.4117

■ 55.2483, 0.3025,
0.5158


■ 65.1896, 0.3096,
0.3802


■ 53.9527, 0.3012,
0.5471

■ 69.0171, 0.3113,
0.3519


■ 53.0595, 0.3003,
0.5723


■ 73.4343, 0.3128,
0.3271

 52.5218, 0.2998,
0.5895

 78.4646, 0.3142,
0.3055

 52.2674, 0.2997,
0.5983

 80.7205, 0.3142,
0.2970

 52.2515, 0.2997,
0.5989

Harmonies

Analogous

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



59.1996, 0.3737, 0.4571



59.1996, 0.3060, 0.4458



59.1996, 0.2437, 0.3882

Triad

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



59.1996, 0.3060, 0.4458



59.1996, 0.2036, 0.2262



59.1996, 0.4353, 0.3253

Complementary

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



59.1996, 0.3060, 0.4458



38.0385, 0.3190, 0.2347

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.



59.1996, 0.3789, 0.2770



59.1996, 0.3060, 0.4458



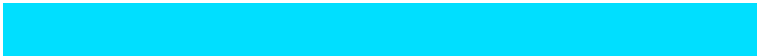
59.1996, 0.2438, 0.2222

Square

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



59.1996, 0.3060, 0.4458



59.1996, 0.1896, 0.2562



59.1996, 0.3066, 0.2405



59.1996, 0.4530, 0.3782

Rectangle

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



59.1996, 0.3060, 0.4458



59.1996, 0.2134, 0.3380



59.1996, 0.3066, 0.2405



59.1996, 0.4200, 0.3083

Sweetspot

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



59.2021, 0.3060, 0.4458



92.8727, 0.3108, 0.3598



69.2922, 0.3701, 0.4261



19.7278, 0.3106, 0.3635



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.



59.2021, 0.3060, 0.4458



78.5146, 0.3045, 0.4748



60.6894, 0.2815, 0.3851



15.3423, 0.3113, 0.3527



31.0398, 0.2996, 0.5985



2.1533, 0.2983, 0.5940

Inverse Universe

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



38.0385, 0.3190, 0.2347



45.6757, 0.3204, 0.2167



36.0473, 0.3625, 0.2796



13.9300, 0.3141, 0.3064



12.2010, 0.3266, 0.1573



0.8474, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 59.1996, 0.3060, 0.4458 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 59.1996, 0.3060, 0.4458 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 59.1996, 0.3060, 0.4458

Background



This preview shows how black text looks on a background with the Yxy color 59.1996, 0.3060, 0.4458.



This preview shows how white text looks on a background with the Yxy color 59.1996, 0.3060, 0.4458.

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

59.1996, 0.3060, 0.4458

Protanopia

58.4183, 0.3816, 0.4123

Deuteranopia

58.5043, 0.3909, 0.3830



Tritanopia

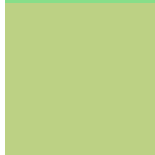
58.9623, 0.2633, 0.3079

Trichromacy



Original Color

59.1996, 0.3060, 0.4458



Protanomaly

57.9582, 0.3503, 0.4256



Deuteranomaly

57.5263, 0.3564, 0.4061



Tritanomaly

58.6520, 0.2785, 0.3551

Monochromacy



Original Color

59.1996, 0.3060, 0.4458



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.8895, 0.3100, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1996, 0.3060, 0.4458 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, 222, 137)` looks like.

```
.text, #text, p{  
    color:rgb(135, 222, 137)  
}
```

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, 222, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 222, 137) }
```

Border

The CSS property to change the border of an element to Yxy 59.1996, 0.3060, 0.4458 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, 222, 137) }
```

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

```
.border{ border-color:rgb(135, 222, 137) }
```

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

Here you see how a box with a 4 pixel rgb(135, 222, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 222, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 222, 137);  
box-shadow:4px 4px 4px 4px rgb(135, 222,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1996, 0.3060, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 222, 137) }
```

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

```
.background{ background-color: rgb(135,  
222, 137) }
```

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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