

Converting Colors

$Yxy(59.3564, 0.2637, 0.3424)$

Have a look what the booklet for
Yxy(59.3564, 0.2637, 0.3424)
contains.

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Color

Yxy(59.4731, 0.2637, 0.3432)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 83DACF |
| RGB | 131, 218, 207 |
| RGB Percent | 51%, 85%, 81% |
| CMY | 0.4863, 0.1451, 0.1881 |
| CMYK | 0.40, 0.00, 0.05, 0.15 |
| HSL | 172°, 54%, 68% |
| HSV | 172°, 40%, 85% |
| XYZ | 45.6966, 59.4731, 68.1203 |
| YIQ | 190.7330, -48.3210, -21.8650 |

Conversions

Conversions Part 2

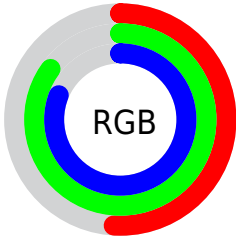
| Format | Color |
|-------------------------------------|--|
| RYB | 131, 177, 218 |
| Decimal | 8641231 |
| CIELab | 81.55, -28.78, -2.86 |
| CIELCh | 82, 28.922, 185.682 |
| Yxy | 59.4731, 0.2637, 0.3432 |
| Android (android.graphics.Color) | 4286831311 (0xFF83DACF) |
| YUV | 190.7330, 8.0196, -52.3858 |
| Hunter-Lab | 77.1188, -29.1882, 1.6114 |

Details

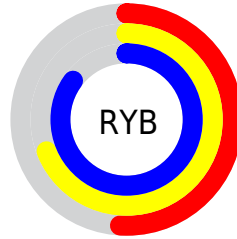
The Yxy color **59.4731, 0.2637, 0.3432** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0911, 0.4001, 0.3159**, and the grayscale version is **51.9136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **29.9901, 0.2514, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **57.7807, 0.2545, 0.3474**, and if you desaturate by 10%, it is **61.5388, 0.2744, 0.3392**.

Distribution



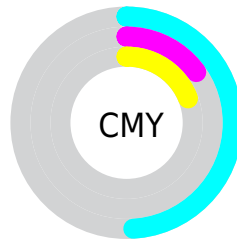
- Red (51%)
- Green (85%)
- Blue (81%)



- Red (51%)
- Yellow (69%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)





- Cyan (49%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4731, 0.2637, 0.3432 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 59.4731, 0.2637, 0.3432 by changing the saturation by 10% instead.

 59.4731, 0.2637,
0.3432

 59.4731, 0.2637,
0.3432

422.6529, 0.2870,
0.3366


 42.9941, 0.2582,
0.3447


 104.0650, 0.2719,
0.3409

 29.8805, 0.2514,
0.3465

 132.9466, 0.2751,
0.3400

 19.7479, 0.2426,
0.3488


 166.7312, 0.2778,
0.3393

 12.2119, 0.2310,
0.3518

205.8032, 0.2801,
0.3386

 6.8882, 0.2148,
0.3558

250.5470, 0.2821,
0.3380

 3.3923, 0.1908,
0.3613

301.3469, 0.2840,

 1.3398, 0.1428,

0.3375

358.5874, 0.2856,
0.3371

0.3730

0.1717, 0.0000,
0.3072

0.0000, 0.0000,
0.0000

59.4731, 0.2637,
0.3432

59.4731, 0.2637,
0.3432

57.7807, 0.2545,
0.3474

61.5388, 0.2744,
0.3392

56.4313, 0.2471,
0.3517

63.9918, 0.2864,
0.3355

55.4014, 0.2415,
0.3561

66.8540, 0.2993,
0.3321

54.6616, 0.2379,
0.3605

70.1436, 0.3128,
0.3290

■ 54.1770, 0.2362,
0.3649

■ 73.8779, 0.3268,
0.3261

■ 53.8859, 0.2359,
0.3693

■ 76.7597, 0.3359,
0.3235

■ 53.8835, 0.2359,
0.3693

■ 76.9097, 0.3340,
0.3208

■ 77.0621, 0.3321,
0.3180

■ 77.2169, 0.3301,
0.3153

Harmonies

Analogous

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



59.4731, 0.2947, 0.3765



59.4731, 0.2637, 0.3432



59.4731, 0.2461, 0.3077

Triad

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



59.4731, 0.2637, 0.3432



59.4731, 0.2905, 0.2716



59.4731, 0.3847, 0.3722

Complementary

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



59.4731, 0.2637, 0.3432



33.0911, 0.4001, 0.3159

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.



59.4731, 0.3842, 0.3434



59.4731, 0.2637, 0.3432



59.4731, 0.3280, 0.2876

Square

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



59.4731, 0.2637, 0.3432



59.4731, 0.2608, 0.2689



59.4731, 0.3630, 0.3131



59.4731, 0.3650, 0.3920

Rectangle

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



59.4731, 0.2637, 0.3432



59.4731, 0.2436, 0.2885



59.4731, 0.3630, 0.3131



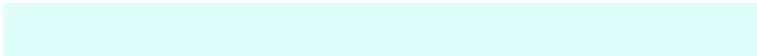
59.4731, 0.3870, 0.3632

Sweetspot

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



59.4755, 0.2637, 0.3432



94.4052, 0.2964, 0.3328



57.5865, 0.3147, 0.4482



20.0878, 0.2946, 0.3333



0.0000, 0.0000, 0.0000



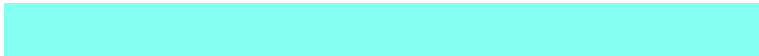
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.4755, 0.2637, 0.3432



82.7394, 0.2558, 0.3467



45.0482, 0.2513, 0.2859



14.7998, 0.2999, 0.3320



32.2924, 0.2357, 0.3687



2.1001, 0.2338, 0.3615

Inverse Universe

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



33.0911, 0.4001, 0.3159



40.0650, 0.4296, 0.3134



42.7040, 0.3971, 0.3679



13.0781, 0.3272, 0.3261



8.9873, 0.6233, 0.3208



0.5912, 0.5873, 0.3009

Previews

White Background



This preview shows how the Yxy color 59.4731, 0.2637, 0.3432 looks on a white background.

Color Contrast Check

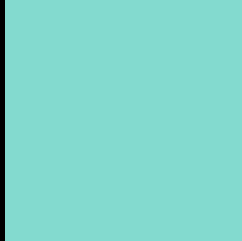
Large Text (above 18pt) WCAG AA × Fail

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 59.4731, 0.2637, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

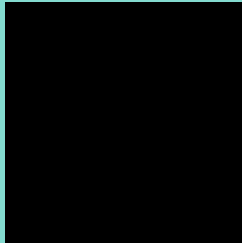
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

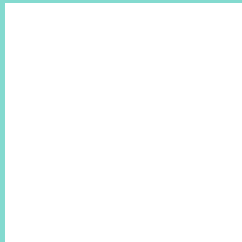
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.4731, 0.2637, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 59.4731, 0.2637, 0.3432.

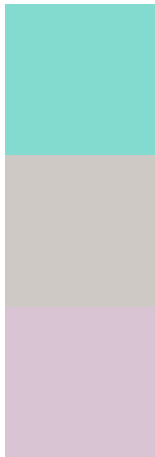


This preview shows how white text looks on a background with the Yxy color 59.4731, 0.2637, 0.3432.

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

59.4731, 0.2637, 0.3432

Protanopia

58.9263, 0.3195, 0.3337

Deuteranopia

58.9850, 0.3175, 0.3109



Tritanopia

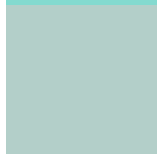
59.3226, 0.2536, 0.3064

Trichromacy



Original Color

59.4731, 0.2637, 0.3432



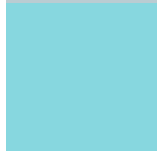
Protanomaly

58.4264, 0.2962, 0.3364



Deuteranomaly

58.2780, 0.2952, 0.3217



Tritanomaly

59.0795, 0.2568, 0.3187

Monochromacy



Original Color

59.4731, 0.2637, 0.3432



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

54.2395, 0.2915, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4731, 0.2637, 0.3432 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, 218, 207)` looks like.

```
.text, #text, p{  
    color:rgb(131, 218, 207)  
}
```

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, 218, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 218, 207) }
```

Border

The CSS property to change the border of an element to Yxy 59.4731, 0.2637, 0.3432 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, 218, 207) }
```

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

```
.border{ border-color:rgb(131, 218, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 218, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 218, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 218, 207);  
box-shadow:4px 4px 4px 4px rgb(131, 218,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4731, 0.2637, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 218, 207) }
```

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

```
.background{ background-color: rgb(131,  
218, 207) }
```

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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