

Converting Colors

$Y_{xy}(58.1050, 0.2624, 0.3398)$

Have a look what the booklet for
Yxy(58.1050, 0.2624, 0.3398)
contains.

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Color

Yxy(58.3626, 0.2628, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	82D8CF
RGB	130, 216, 207
RGB Percent	51%, 85%, 81%
CMY	0.4904, 0.1529, 0.1882
CMYK	0.40, 0.00, 0.04, 0.15
HSL	174°, 52%, 68%
HSV	174°, 40%, 85%
XYZ	45.0182, 58.3626, 67.9213
YIQ	189.2600, -48.3670, -21.0310

Conversions

Conversions Part 2

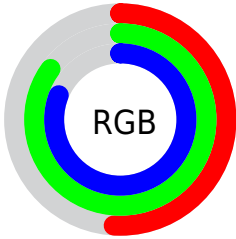
Format	Color
RYB	130, 175, 216
Decimal	8575183
CIELab	80.94, -28.09, -3.75
CIELCh	81, 28.344, 187.603
Yxy	58.3626, 0.2628, 0.3407
Android (android.graphics.Color)	4286765263 (0xFF82D8CF)
YUV	189.2600, 8.7458, -51.9710
Hunter-Lab	76.3954, -28.5058, 0.7635

Details

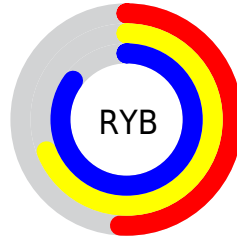
The Yxy color **58.3626, 0.2628, 0.3407** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.4167, 0.4020, 0.3182**, and the grayscale version is **51.0102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **29.2455, 0.2502, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **56.7232, 0.2534, 0.3441**, and if you desaturate by 10%, it is **60.3667, 0.2737, 0.3374**.

Distribution



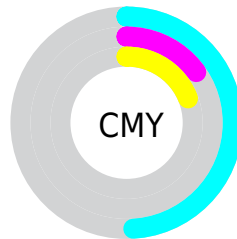
- Red (51%)
- Green (85%)
- Blue (81%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3626, 0.2628, 0.3407 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 58.3626, 0.2628, 0.3407 by changing the saturation by 10% instead.


 58.3626, 0.2628,
0.3407


 58.3626, 0.2628,
0.3407


418.5357, 0.2866,
0.3354


 42.1002, 0.2572,
0.3419

 102.4507, 0.2712,
0.3389

 29.1798, 0.2502,
0.3433


 131.0452, 0.2744,
0.3382

 19.2169, 0.2412,
0.3451


 164.5192, 0.2772,
0.3375

 11.8271, 0.2293,
0.3474

203.2572, 0.2795,
0.3370

 6.6260, 0.2127,
0.3504

247.6434, 0.2816,
0.3365

 3.2294, 0.1880,
0.3542

298.0623, 0.2835,

 1.2526, 0.1353,

0.3361

354.8982, 0.2851,
0.3357

0.3642

0.1041, 0.0000,
0.2170

0.0000, 0.0000,
0.0000

58.3626, 0.2628,
0.3407

58.3626, 0.2628,
0.3407

56.7232, 0.2534,
0.3441

60.3667, 0.2737,
0.3374

55.4188, 0.2458,
0.3477


62.7493, 0.2859,
0.3344

54.4268, 0.2401,
0.3513

65.5317, 0.2991,
0.3316

53.7182, 0.2363,
0.3549


68.7318, 0.3129,
0.3290


 53.2590, 0.2344,
0.3585


 72.3663, 0.3272,
0.3266


 52.9892, 0.2339,
0.3621

 75.5757, 0.3383,
0.3245

 52.9854, 0.2339,
0.3621

 75.6968, 0.3367,
0.3222

 75.8196, 0.3351,
0.3199

 75.9440, 0.3335,
0.3177

Harmonies

Analogous

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



58.3626, 0.2927, 0.3740



58.3626, 0.2628, 0.3407



58.3626, 0.2464, 0.3060

Triad

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



58.3626, 0.2628, 0.3407



58.3626, 0.2931, 0.2730



58.3626, 0.3830, 0.3733

Complementary

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



58.3626, 0.2628, 0.3407



32.4167, 0.4020, 0.3182

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.



58.3626, 0.3839, 0.3452



58.3626, 0.2628, 0.3407



58.3626, 0.3302, 0.2895

Square

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



58.3626, 0.2628, 0.3407



58.3626, 0.2630, 0.2694



58.3626, 0.3642, 0.3152



58.3626, 0.3625, 0.3919

Rectangle

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



58.3626, 0.2628, 0.3407



58.3626, 0.2446, 0.2876



58.3626, 0.3642, 0.3152



58.3626, 0.3857, 0.3646

Sweetspot

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



58.3649, 0.2628, 0.3407



94.4465, 0.2960, 0.3322



56.3032, 0.3137, 0.4483



20.0976, 0.2942, 0.3325



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.



58.3649, 0.2628, 0.3407



82.8956, 0.2546, 0.3436



43.5770, 0.2511, 0.2840



14.0844, 0.2996, 0.3314



31.3676, 0.2338, 0.3616



1.8985, 0.2321, 0.3554

Inverse Universe

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



32.4167, 0.4020, 0.3182



39.9831, 0.4326, 0.3161



42.3852, 0.3961, 0.3695



12.4417, 0.3275, 0.3266



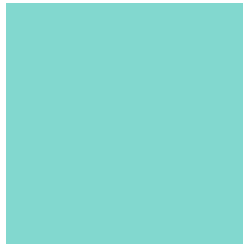
8.6844, 0.6269, 0.3227



0.5311, 0.5935, 0.3043

Previews

White Background



This preview shows how the Yxy color 58.3626, 0.2628, 0.3407 looks on a white background.

Color Contrast Check

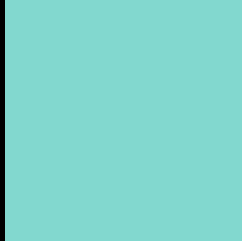
Large Text (above 18pt) WCAG AA × Fail

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 58.3626, 0.2628, 0.3407 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

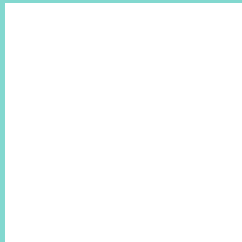
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.3626, 0.2628, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 58.3626, 0.2628, 0.3407.



This preview shows how white text looks on a background with the Yxy color 58.3626, 0.2628, 0.3407.

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

58.3626, 0.2628, 0.3407

Protanopia

57.7154, 0.3181, 0.3314

Deuteranopia

57.6332, 0.3153, 0.3085



Tritanopia

58.5359, 0.2533, 0.3075

Trichromacy



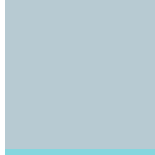
Original Color

58.3626, 0.2628, 0.3407



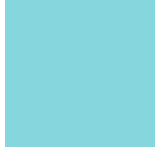
Protanomaly

57.2268, 0.2947, 0.3339



Deuteranomaly

56.9615, 0.2930, 0.3192



Tritanomaly

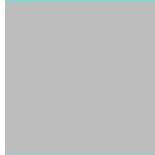
58.4354, 0.2566, 0.3186

Monochromacy



Original Color

58.3626, 0.2628, 0.3407



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.1572, 0.2913, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3626, 0.2628, 0.3407 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(130, 216, 207)` looks like.

```
.text, #text, p{  
    color:rgb(130, 216, 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(130, 216, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 216, 207) }
```

Border

The CSS property to change the border of an element to Yxy 58.3626, 0.2628, 0.3407 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(130, 216, 207) }
```

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

```
.border{ border-color:rgb(130, 216, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 216, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 216, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 216, 207);  
box-shadow:4px 4px 4px 4px rgb(130, 216,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3626, 0.2628, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 216, 207) }
```

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

```
.background{ background-color: rgb(130,  
216, 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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