

Converting Colors

$Y_{xy}(59.7282, 0.2574, 0.3214)$

Have a look what the booklet for
Yxy(59.7282, 0.2574, 0.3214)
contains.

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Color

Yxy(59.5366, 0.2575, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	87D8DE
RGB	135, 216, 222
RGB Percent	53%, 85%, 87%
CMY	0.4707, 0.1529, 0.1294
CMYK	0.39, 0.03, 0.00, 0.13
HSL	184°, 57%, 70%
HSV	184°, 39%, 87%
XYZ	47.7294, 59.5366, 78.0908
YIQ	192.4650, -50.2020, -15.3060

Conversions

Conversions Part 2

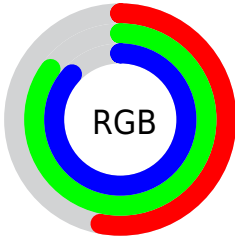
Format	Color
RYB	135, 177, 222
Decimal	8902878
CIELab	81.59, -23.21, -10.77
CIELCh	82, 25.584, 204.902
Yxy	59.5366, 0.2575, 0.3212
Android (android.graphics.Color)	4287092958 (0xFF87D8DE)
YUV	192.4650, 14.5608, -50.3968
Hunter-Lab	77.1600, -24.6140, -5.9933

Details

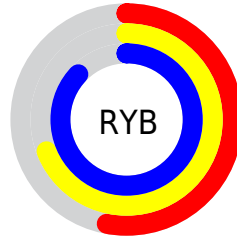
The Yxy color **59.5366, 0.2575, 0.3212** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.3216, 0.4078, 0.3365**, and the grayscale version is **52.9310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **29.9420, 0.2440, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **57.1049, 0.2465, 0.3189**, and if you desaturate by 10%, it is **62.3642, 0.2700, 0.3234**.

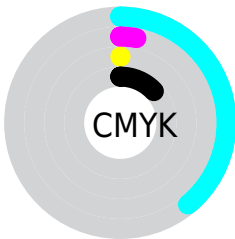
Distribution



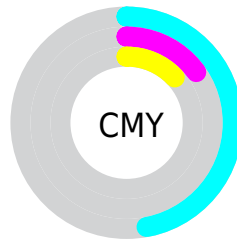
- Red (53%)
- Green (85%)
- Blue (87%)



- Red (53%)
- Yellow (69%)
- Blue (87%)



- Cyan (39%)
- Magenta (3%)
- Yellow (0%)
- Black (13%)




- Cyan (47%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5366, 0.2575, 0.3212 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 59.5366, 0.2575, 0.3212 by changing the saturation by 10% instead.


 59.5366, 0.2575,
0.3212


 59.5366, 0.2575,
0.3212

422.8876, 0.2835,
0.3255

 43.0452, 0.2515,
0.3200


 104.1572, 0.2666,
0.3228

 29.9206, 0.2440,
0.3185


 133.0551, 0.2701,
0.3234

 19.7783, 0.2344,
0.3164

 166.8574, 0.2731,
0.3239

 12.2340, 0.2219,
0.3134

205.9484, 0.2757,
0.3243

 6.9033, 0.2047,
0.3087

250.7126, 0.2780,
0.3247

 3.4017, 0.1798,
0.3008

301.5342, 0.2801,

 1.3449, 0.1389,

0.3250

0.2862

358.7977, 0.2819,
0.3253

■ 0.1755, 0.0000,
0.1568

■ 0.0000, 0.0000,
0.0000

■ 59.5366, 0.2575,
0.3212

■ 59.5366, 0.2575,
0.3212

■ 57.1049, 0.2465,
0.3189

■ 62.3642, 0.2700,
0.3234

■ 55.0380, 0.2372,
0.3166

■ 65.6027, 0.2838,
0.3254

■ 53.3114, 0.2298,
0.3142

■ 69.2747, 0.2986,
0.3274

■ 51.8947, 0.2244,
0.3119

■ 73.3993, 0.3140,
0.3291

■ 50.7518, 0.2208,
0.3095

■ 77.9943, 0.3297,
0.3307

■ 49.8247, 0.2188,
0.3072

■ 80.4912, 0.3360,
0.3323

■ 49.7545, 0.2186,
0.3071

■ 81.3238, 0.3358,
0.3338

■ 82.1639, 0.3356,
0.3353

■ 83.0115, 0.3354,
0.3368

Harmonies

Analogous

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



59.5366, 0.2781, 0.3529



59.5366, 0.2575, 0.3212



59.5366, 0.2511, 0.2939

Triad

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



59.5366, 0.2575, 0.3212



59.5366, 0.3142, 0.2857



59.5366, 0.3671, 0.3801

Complementary

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



59.5366, 0.2575, 0.3212



36.3216, 0.4078, 0.3365

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.



59.5366, 0.3784, 0.3591



59.5366, 0.2575, 0.3212



59.5366, 0.3470, 0.3060

Square

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



59.5366, 0.2575, 0.3212



59.5366, 0.2825, 0.2755



59.5366, 0.3710, 0.3323



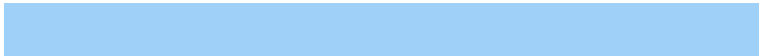
59.5366, 0.3412, 0.3881

Rectangle

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



59.5366, 0.2575, 0.3212



59.5366, 0.2553, 0.2818



59.5366, 0.3710, 0.3323



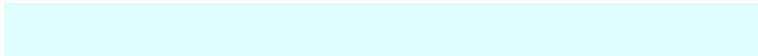
59.5366, 0.3728, 0.3742

Sweetspot

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



59.5389, 0.2575, 0.3212



93.3120, 0.2942, 0.3268



59.3136, 0.3038, 0.4406



19.8285, 0.2923, 0.3266



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.



59.5389, 0.2575, 0.3212



78.7420, 0.2484, 0.3194



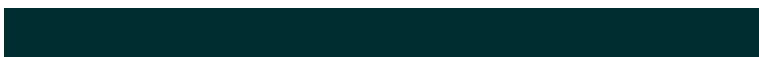
40.1904, 0.2486, 0.2625



15.4020, 0.2982, 0.3273



29.6170, 0.2187, 0.3074



2.1022, 0.2197, 0.3110

Inverse Universe

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



37.8091, 0.3228, 0.2384



45.3288, 0.3252, 0.2211



51.6829, 0.3871, 0.3870



13.9185, 0.3148, 0.3075



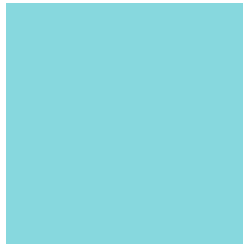
11.8979, 0.3389, 0.1641



0.8297, 0.3359, 0.1624

Previews

White Background



This preview shows how the Yxy color 59.5366, 0.2575, 0.3212 looks on a white background.

Color Contrast Check

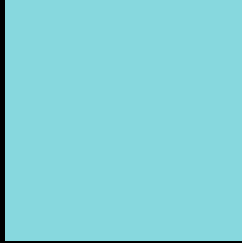
Large Text (above 18pt) WCAG AA × Fail

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 59.5366, 0.2575, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

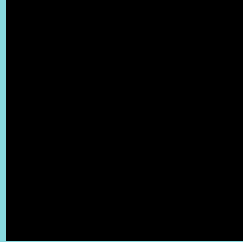
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.5366, 0.2575, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 59.5366, 0.2575, 0.3212.

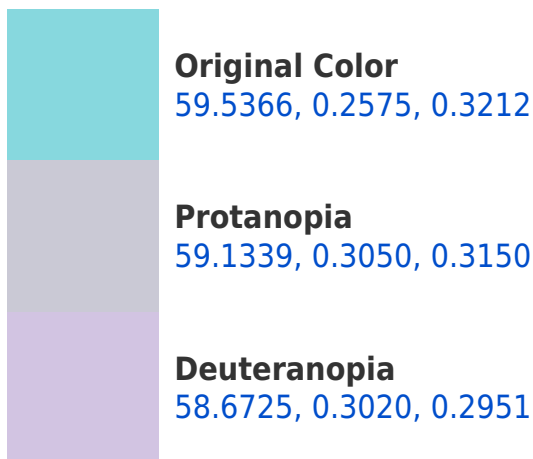


This preview shows how white text looks on a background with the Yxy color 59.5366, 0.2575, 0.3212.

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





Tritanopia

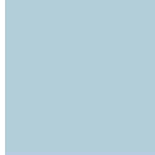
59.3226, 0.2536, 0.3064

Trichromacy



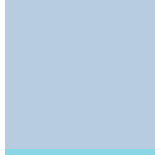
Original Color

59.5366, 0.2575, 0.3212



Protanomaly

58.5655, 0.2857, 0.3168



Deuteranomaly

58.2154, 0.2833, 0.3027



Tritanomaly

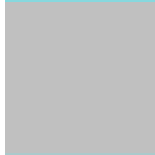
59.5207, 0.2553, 0.3125

Monochromacy



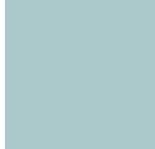
Original Color

59.5366, 0.2575, 0.3212



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.7430, 0.2889, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5366, 0.2575, 0.3212 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, 216, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 216, 222)  
}
```

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, 216, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 216, 222) }
```

Border

The CSS property to change the border of an element to Yxy 59.5366, 0.2575, 0.3212 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, 216, 222) }
```

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

```
.border{ border-color:rgb(135, 216, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 216, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 216, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 216, 222);  
box-shadow:4px 4px 4px 4px rgb(135, 216,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5366, 0.2575, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 216, 222) }
```

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

```
.background{ background-color: rgb(135,  
216, 222) }
```

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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