

Converting Colors

$Y_{xy}(59.8999, 0.2202, 0.3012)$

Have a look what the booklet for
Yxy(59.8999, 0.2202, 0.3012)
contains.

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Color

Yxy(59.8206, 0.2204, 0.3016)

Conversions

Conversions Part 1

Format	Color
Hex	2BDFF4
RGB	43, 223, 244
RGB Percent	17%, 87%, 96%
CMY	0.8306, 0.1255, 0.0432
CMYK	0.82, 0.09, 0.00, 0.04
HSL	186°, 90%, 56%
HSV	186°, 82%, 96%
XYZ	43.7151, 59.8206, 94.8085
YIQ	171.5740, -114.0210, -31.6290

Conversions

Conversions Part 2

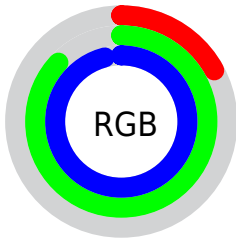
Format	Color
R _{YB}	43, 138, 244
Decimal	2875380
CIE Lab	81.74, -35.34, -22.46
CIE LCh	82, 41.878, 212.440
Yxy	59.8206, 0.2204, 0.3016
Android (android.graphics.Color)	4281065460 (0xFF2BDFF4)
YUV	171.5740, 35.7060, -112.7594
Hunter-Lab	77.3438, -34.4626, -18.5374

Details

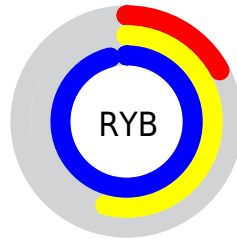
The Yxy color **59.8206, 0.2204, 0.3016** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **23.0898, 0.5877, 0.3429**, and the grayscale version is **40.9166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **31.2683, 0.2148, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **58.0897, 0.2170, 0.2980**, and if you desaturate by 10%, it is **61.8914, 0.2257, 0.3053**.

Distribution



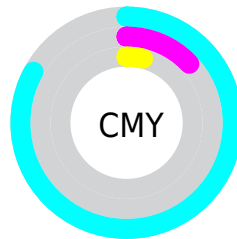
- Red (17%)
- Green (87%)
- Blue (96%)



- Red (17%)
- Yellow (54%)
- Blue (96%)



- Cyan (82%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)





- Cyan (83%)
- Magenta (13%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.8206, 0.2204, 0.3016 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 59.8206, 0.2204, 0.3016 by changing the saturation by 10% instead.


 59.8206, 0.2204,
0.3016

 59.8206, 0.2204,
0.3016


423.9362, 0.2628,
0.3162

 43.2740, 0.2109,
0.2978


 104.5694, 0.2350,
0.3070

 30.1002, 0.1993,
0.2930


 133.5404, 0.2407,
0.3090

 19.9147, 0.1849,
0.2864


 167.4217, 0.2456,
0.3107

 12.3330, 0.1665,
0.2774

 206.5977, 0.2500,
0.3121

 6.9709, 0.1426,
0.2641

251.4527, 0.2538,
0.3133

 3.4439, 0.1110,
0.2435

302.3712, 0.2571,

 1.3676, 0.0576,

0.3144

0.2115

359.7376, 0.2601,
0.3153

0.1927, 0.0000,
0.0866

0.0000, 0.0000,
0.0000

59.8206, 0.2204,
0.3016

59.8206, 0.2204,
0.3016

58.0897, 0.2170,
0.2980


61.8914, 0.2257,
0.3053

56.9260, 0.2154,
0.2952


64.3446, 0.2329,
0.3089


67.2228, 0.2420,
0.3126


70.5613, 0.2529,
0.3161

 74.3913, 0.2654,
0.3195

 78.7414, 0.2791,
0.3227

 83.6380, 0.2938,
0.3257

 89.1053, 0.3091,
0.3284

 93.6634, 0.3197,
0.3309

Harmonies

Analogous

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



59.8206, 0.2464, 0.3548



59.8206, 0.2204, 0.3016



59.8206, 0.2170, 0.2629

Triad

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



59.8206, 0.2204, 0.3016



59.8206, 0.3280, 0.2678



59.8206, 0.3909, 0.4165

Complementary

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



59.8206, 0.2204, 0.3016



23.0898, 0.5877, 0.3429

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.



59.8206, 0.4177, 0.3840



59.8206, 0.2204, 0.3016



59.8206, 0.3806, 0.3014

Square

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



59.8206, 0.2204, 0.3016



59.8206, 0.2751, 0.2476



59.8206, 0.4146, 0.3426



59.8206, 0.3441, 0.4267

Rectangle

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



59.8206, 0.2204, 0.3016



59.8206, 0.2272, 0.2487



59.8206, 0.4146, 0.3426



59.8206, 0.4027, 0.4074

Sweetspot

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



59.8228, 0.2204, 0.3016



85.6731, 0.2752, 0.3218



65.5653, 0.2968, 0.5681



17.9730, 0.2704, 0.3207



0.0000, 0.0000, 0.0000



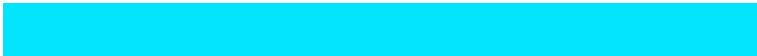
21.4041, 0.3127, 0.3290

Same Dimension

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



59.8228, 0.2204, 0.3016



63.0695, 0.2155, 0.2955



21.3392, 0.1824, 0.1590



18.4446, 0.2981, 0.3265



31.0807, 0.2155, 0.2958



2.8151, 0.2168, 0.3003

Inverse Universe

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



26.2978, 0.3434, 0.1754



26.9517, 0.3494, 0.1701



45.8339, 0.4841, 0.4355



16.7367, 0.3154, 0.3081



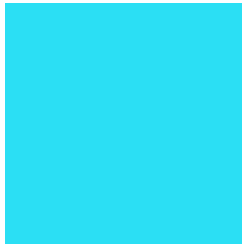
13.2370, 0.3491, 0.1697



1.1718, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 59.8206, 0.2204, 0.3016 looks on a white background.

Color Contrast Check

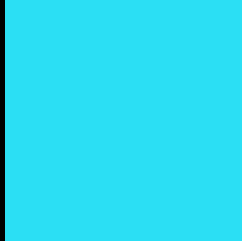
Large Text (above 18pt) WCAG AA × Fail

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 59.8206, 0.2204, 0.3016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

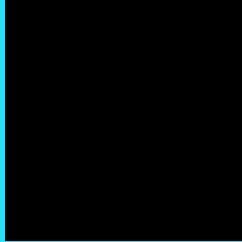
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.8206, 0.2204, 0.3016

Background



This preview shows how black text looks on a background with the Yxy color 59.8206, 0.2204, 0.3016.



This preview shows how white text looks on a background with the Yxy color 59.8206, 0.2204, 0.3016.

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

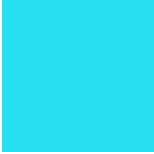
59.8206, 0.2204, 0.3016

Protanopia

58.8360, 0.2904, 0.2955

Deuteranopia

58.5704, 0.2763, 0.2697



Tritanopia

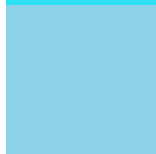
59.6373, 0.2207, 0.3040

Trichromacy



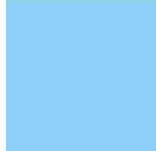
Original Color

59.8206, 0.2204, 0.3016



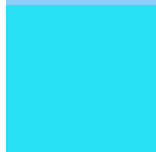
Protanomaly

56.7150, 0.2529, 0.2964



Deuteranomaly

56.4954, 0.2450, 0.2777



Tritanomaly

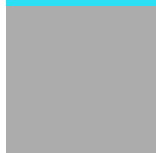
59.7178, 0.2205, 0.3028

Monochromacy



Original Color

59.8206, 0.2204, 0.3016



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.6988, 0.2602, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8206, 0.2204, 0.3016 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(43, 223, 244)` looks like.

```
.text, #text, p{  
  color:rgb(43, 223, 244)  
}
```

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(43, 223, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 223, 244) }
```

Border

The CSS property to change the border of an element to Yxy 59.8206, 0.2204, 0.3016 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(43, 223, 244) }
```

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

```
.border{ border-color:rgb(43, 223, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 223, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 223, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 223, 244);  
box-shadow:4px 4px 4px 4px rgb(43, 223,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8206, 0.2204, 0.3016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 223, 244) }
```

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

```
.background{ background-color: rgb(43, 223,  
244) }
```

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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