

Converting Colors

$Y_{xy}(59.6118, 0.2232, 0.3117)$

Have a look what the booklet for
Yxy(59.6118, 0.2232, 0.3117)
contains.

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Color

Yxy(59.3237, 0.2232, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	2ADFEF
RGB	42, 223, 236
RGB Percent	16%, 87%, 93%
CMY	0.8338, 0.1255, 0.0745
CMYK	0.82, 0.06, 0.00, 0.07
HSL	184°, 84%, 55%
HSV	184°, 82%, 93%
XYZ	42.4937, 59.3237, 88.5667
YIQ	170.3630, -112.0490, -34.3290

Conversions

Conversions Part 2

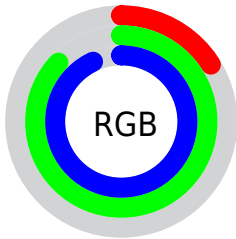
Format	Color
R _Y B	42, 136, 236
Decimal	2809836
CIE Lab	81.47, -37.80, -18.64
CIE LCh	81, 42.149, 206.254
Yxy	59.3237, 0.2232, 0.3116
Android (android.graphics.Color)	4280999916 (0xFF2ADFE ^C)
YUV	170.3630, 32.3590, -112.5744
Hunter-Lab	77.0219, -36.3081, -14.2617

Details

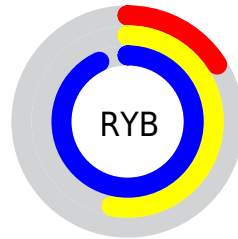
The Yxy color **59.3237, 0.2232, 0.3116** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **20.7727, 0.5920, 0.3378**, and the grayscale version is **40.3228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **30.9327, 0.2184, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **58.1183, 0.2202, 0.3093**, and if you desaturate by 10%, it is **60.8346, 0.2281, 0.3139**.

Distribution



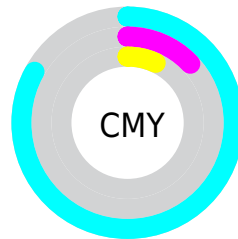
- Red (16%)
- Green (87%)
- Blue (93%)



- Red (16%)
- Yellow (53%)
- Blue (93%)



- Cyan (82%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)





- Cyan (83%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3237, 0.2232, 0.3116 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 59.3237, 0.2232, 0.3116 by changing the saturation by 10% instead.


 59.3237, 0.2232,
0.3116


 59.3237, 0.2232,
0.3116


422.1004, 0.2646,
0.3214


 42.8738, 0.2139,
0.3089


 103.8480, 0.2375,
0.3153


 29.7861, 0.2024,
0.3054


 132.6911, 0.2431,
0.3167

 19.6763, 0.1882,
0.3006


 166.4341, 0.2479,
0.3178

 12.1599, 0.1699,
0.2937

 205.4613, 0.2521,
0.3188

 6.8527, 0.1459,
0.2833

250.1571, 0.2558,
0.3196

 3.3702, 0.1137,
0.2662

300.9060, 0.2590,

 1.3279, 0.0514,

0.3203

358.0923, 0.2620,
0.3209

0.2403

0.1626, 0.0000,
0.0934

0.0000, 0.0000,
0.0000

59.3237, 0.2232,
0.3116

59.3237, 0.2232,
0.3116

58.1183, 0.2202,
0.3093

60.8346, 0.2281,
0.3139


57.3164, 0.2188,
0.3076

62.6891, 0.2348,
0.3162

64.9265, 0.2436,
0.3185


67.5790, 0.2541,
0.3207

 70.6754, 0.2662,
0.3229

 74.2419, 0.2797,
0.3250

 78.3027, 0.2942,
0.3269

 82.8801, 0.3095,
0.3287

 87.9952, 0.3253,
0.3303

Harmonies

Analogous

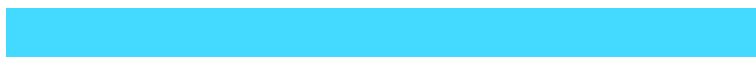
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.3237, 0.2538, 0.3665



59.3237, 0.2232, 0.3116



59.3237, 0.2150, 0.2687

Triad

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



59.3237, 0.2232, 0.3116



59.3237, 0.3165, 0.2618



59.3237, 0.3992, 0.4118

Complementary

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



59.3237, 0.2232, 0.3116



20.7727, 0.5920, 0.3378

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.



59.3237, 0.4207, 0.3762



59.3237, 0.2232, 0.3116



59.3237, 0.3712, 0.2934

Square

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



59.3237, 0.2232, 0.3116



59.3237, 0.2651, 0.2449



59.3237, 0.4108, 0.3338



59.3237, 0.3550, 0.4280

Rectangle

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



59.3237, 0.2232, 0.3116



59.3237, 0.2222, 0.2514



59.3237, 0.4108, 0.3338



59.3237, 0.4095, 0.4014

Sweetspot

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



59.3259, 0.2232, 0.3116



87.1459, 0.2754, 0.3243



60.7699, 0.2983, 0.5725



18.3310, 0.2707, 0.3236



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.



59.3259, 0.2232, 0.3116



68.5224, 0.2191, 0.3079



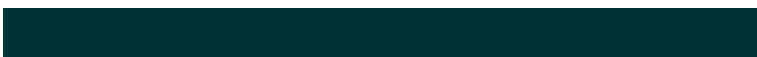
21.5508, 0.1853, 0.1691



16.9384, 0.2981, 0.3274



31.6708, 0.2189, 0.3079



2.5392, 0.2197, 0.3110

Inverse Universe

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



24.8432, 0.3348, 0.1706



27.5559, 0.3385, 0.1643



40.4914, 0.4903, 0.4291



15.2953, 0.3148, 0.3073



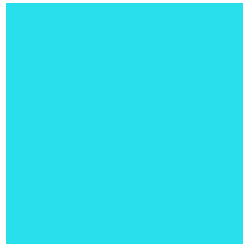
12.6900, 0.3385, 0.1638



1.0017, 0.3358, 0.1624

Previews

White Background



This preview shows how the Yxy color 59.3237, 0.2232, 0.3116 looks on a white background.

Color Contrast Check

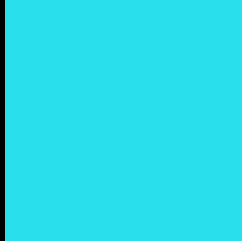
Large Text (above 18pt) WCAG AA × Fail

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 59.3237, 0.2232, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

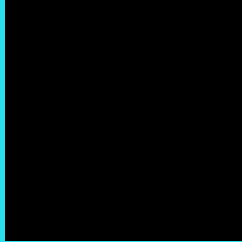
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.3237, 0.2232, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 59.3237, 0.2232, 0.3116.



This preview shows how white text looks on a background with the Yxy color 59.3237, 0.2232, 0.3116.

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

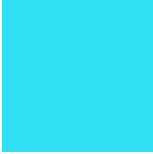
59.3237, 0.2232, 0.3116

Protanopia

58.0731, 0.2965, 0.3033

Deuteranopia

58.1700, 0.2839, 0.2772



Tritanopia

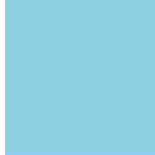
59.1382, 0.2221, 0.3052

Trichromacy



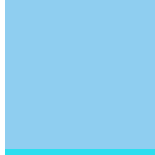
Original Color

59.3237, 0.2232, 0.3116



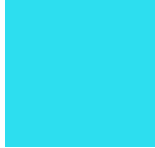
Protanomaly

56.2655, 0.2571, 0.3060



Deuteranomaly

56.2735, 0.2505, 0.2869



Tritanomaly

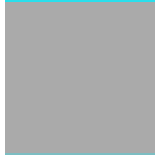
59.0324, 0.2221, 0.3065

Monochromacy



Original Color

59.3237, 0.2232, 0.3116



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.5753, 0.2616, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3237, 0.2232, 0.3116 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(42, 223, 236)` looks like.

```
.text, #text, p{  
    color:rgb(42, 223, 236)  
}
```

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(42, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 223, 236) }
```

Border

The CSS property to change the border of an element to Yxy 59.3237, 0.2232, 0.3116 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(42, 223, 236) }
```

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

```
.border{ border-color:rgb(42, 223, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(42, 223,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3237, 0.2232, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 223, 236) }
```

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

```
.background{ background-color: rgb(42, 223,  
236) }
```

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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