

Converting Colors

$Y_{xy}(59.5390, 0.2195, 0.2981)$

Have a look what the booklet for
Yxy(59.5390, 0.2195, 0.2981)
contains.

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Color

Yxy(59.4318, 0.2194, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	2CDEF6
RGB	44, 222, 246
RGB Percent	17%, 87%, 96%
CMY	0.8285, 0.1294, 0.0353
CMYK	0.82, 0.10, 0.00, 0.04
HSL	187°, 92%, 57%
HSV	187°, 82%, 96%
XYZ	43.7856, 59.4318, 96.3522
YIQ	171.5140, -113.7920, -30.2720

Conversions

Conversions Part 2

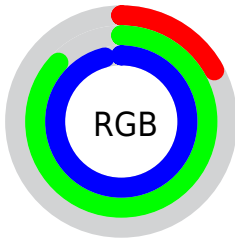
Format	Color
R_{YB}	44, 139, 246
Decimal	2940662
CIE _{Lab}	81.53, -34.22, -23.86
CIE _{LCh}	82, 41.718, 214.886
Yxy	59.4318, 0.2194, 0.2978
Android (android.graphics.Color)	4281130742 (0xFF2CDEF6)
YUV	171.5140, 36.7216, -111.8298
Hunter-Lab	77.0920, -33.5293, -20.1382

Details

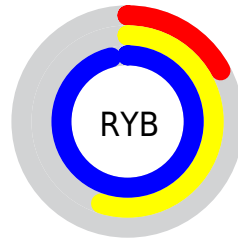
The Yxy color **59.4318, 0.2194, 0.2978** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **23.8741, 0.5853, 0.3449**, and the grayscale version is **40.8143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **30.9901, 0.2135, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **57.5076, 0.2158, 0.2937**, and if you desaturate by 10%, it is **61.7088, 0.2249, 0.3020**.

Distribution



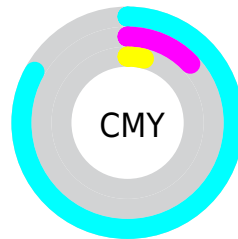
- Red (17%)
- Green (87%)
- Blue (96%)



- Red (17%)
- Yellow (55%)
- Blue (96%)



- Cyan (82%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.4318, 0.2194, 0.2978 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 59.4318, 0.2194, 0.2978 by changing the saturation by 10% instead.


 59.4318, 0.2194,
0.2978


 59.4318, 0.2194,
0.2978

422.5002, 0.2623,
0.3142

 42.9608, 0.2098,
0.2936


 104.0050, 0.2341,
0.3038

 29.8544, 0.1981,
0.2882


 132.8760, 0.2399,
0.3061

 19.7281, 0.1836,
0.2811


 166.6491, 0.2449,
0.3080

 12.1975, 0.1651,
0.2712

 205.7087, 0.2493,
0.3096

 6.8784, 0.1411,
0.2569

250.4392, 0.2531,
0.3110

 3.3861, 0.1094,
0.2348

301.2251, 0.2565,

 1.3365, 0.0568,

0.3122

0.2009

358.4506, 0.2595,
0.3132

■ 0.1692, 0.0000,
0.0729

■ 0.0000, 0.0000,
0.0000

■ 59.4318, 0.2194,
0.2978

■ 59.4318, 0.2194,
0.2978

■ 57.5076, 0.2158,
0.2937


■ 61.7088, 0.2249,
0.3020


■ 56.1907, 0.2140,
0.2905

■ 64.3819, 0.2323,
0.3062


■ 67.4947, 0.2416,
0.3103


■ 71.0830, 0.2527,
0.3143

 75.1790, 0.2653,
0.3182

 79.8117, 0.2792,
0.3218

 85.0080, 0.2939,
0.3252

 90.7929, 0.3093,
0.3283

 95.2153, 0.3184,
0.3312

Harmonies

Analogous

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



59.4318, 0.2436, 0.3503



59.4318, 0.2194, 0.2978



59.4318, 0.2178, 0.2607

Triad

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



59.4318, 0.2194, 0.2978



59.4318, 0.3325, 0.2702



59.4318, 0.3875, 0.4182

Complementary

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



59.4318, 0.2194, 0.2978



23.8741, 0.5853, 0.3449

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.



59.4318, 0.4164, 0.3871



59.4318, 0.2194, 0.2978



59.4318, 0.3842, 0.3046

Square

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



59.4318, 0.2194, 0.2978



59.4318, 0.2790, 0.2488



59.4318, 0.4159, 0.3460



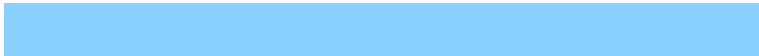
59.4318, 0.3397, 0.4259

Rectangle

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



59.4318, 0.2194, 0.2978



59.4318, 0.2292, 0.2477



59.4318, 0.4159, 0.3460



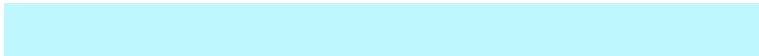
59.4318, 0.3999, 0.4097

Sweetspot

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



59.4340, 0.2194, 0.2978



85.1197, 0.2751, 0.3208



66.8512, 0.2960, 0.5652



17.8386, 0.2702, 0.3196



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.



59.4340, 0.2194, 0.2978



61.1203, 0.2142, 0.2908



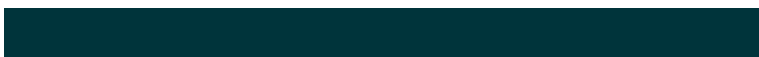
20.9249, 0.1812, 0.1545



18.4026, 0.2981, 0.3261



30.1291, 0.2142, 0.2912



2.7410, 0.2157, 0.2963

Inverse Universe

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



26.6498, 0.3466, 0.1774



26.7550, 0.3536, 0.1724



47.9512, 0.4806, 0.4386



16.7325, 0.3156, 0.3084



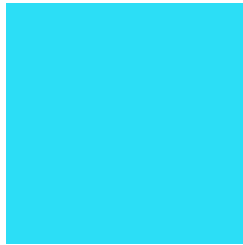
13.1409, 0.3533, 0.1720



1.1643, 0.3487, 0.1694

Previews

White Background



This preview shows how the Yxy color 59.4318, 0.2194, 0.2978 looks on a white background.

Color Contrast Check

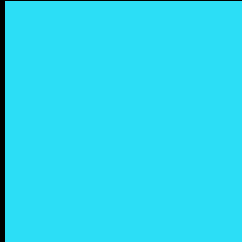
Large Text (above 18pt) WCAG AA × Fail

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 59.4318, 0.2194, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

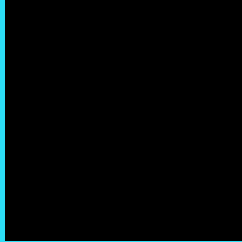
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.4318, 0.2194, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 59.4318, 0.2194, 0.2978.



This preview shows how white text looks on a background with the Yxy color 59.4318, 0.2194, 0.2978.

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

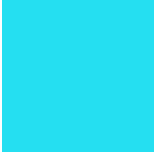
59.4318, 0.2194, 0.2978

Protanopia

58.2185, 0.2876, 0.2920

Deuteranopia

58.4301, 0.2737, 0.2675



Tritanopia

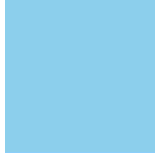
59.5195, 0.2207, 0.3052

Trichromacy



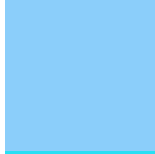
Original Color

59.4318, 0.2194, 0.2978



Protanomaly

56.2572, 0.2511, 0.2927



Deuteranomaly

56.5337, 0.2435, 0.2755



Tritanomaly

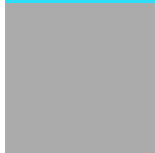
59.6778, 0.2202, 0.3028

Monochromacy



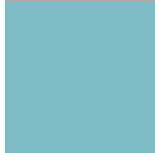
Original Color

59.4318, 0.2194, 0.2978



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

45.2641, 0.2600, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.4318, 0.2194, 0.2978 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(44, 222, 246)` looks like.

```
.text, #text, p{  
    color:rgb(44, 222, 246)  
}
```

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(44, 222, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 222, 246) }
```

Border

The CSS property to change the border of an element to Yxy 59.4318, 0.2194, 0.2978 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(44, 222, 246) }
```

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

```
.border{ border-color:rgb(44, 222, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 222, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 222, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 222, 246);  
box-shadow:4px 4px 4px 4px rgb(44, 222,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 59.4318, 0.2194, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 222, 246) }
```

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

```
.background{ background-color: rgb(44, 222,  
246) }
```

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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