

Converting Colors

$Y_{xy}(59.9115, 0.2270, 0.3055)$

Have a look what the booklet for
Yxy(59.9115, 0.2270, 0.3055)
contains.

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Color

Yxy(59.9115, 0.2270, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	48DEF0
RGB	72, 222, 240
RGB Percent	28%, 87%, 94%
CMY	0.7182, 0.1294, 0.0587
CMYK	0.70, 0.08, 0.00, 0.06
HSL	186°, 85%, 61%
HSV	186°, 70%, 94%
XYZ	44.5169, 59.9115, 91.6813
YIQ	179.2020, -95.1780, -26.2020

Conversions

Conversions Part 2

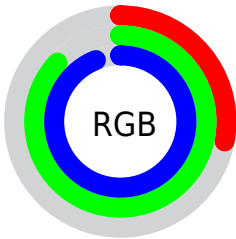
Format	Color
RYB	72, 151, 240
Decimal	4775664
CIELab	81.79, -33.21, -20.26
CIELCh	82, 38.900, 211.379
Yxy	59.9115, 0.2270, 0.3055
Android (android.graphics.Color)	4282965744 (0xFF48DEF0)
YUV	179.2020, 29.9734, -94.0162
Hunter-Lab	77.4025, -32.7928, -16.0457

Details

The Yxy color **59.9115, 0.2270, 0.3055** 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 **26.2880, 0.5357, 0.3455**, and the grayscale version is **45.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4027, 0.2524, 0.3288**, and **30.7331, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **57.8103, 0.2213, 0.3017**, and if you desaturate by 10%, it is **62.3976, 0.2347, 0.3093**.

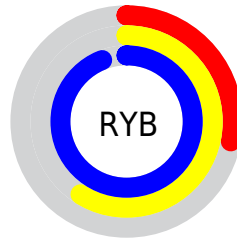
Distribution



Red (28%)

Green (87%)

Blue (94%)



Red (28%)

Yellow (59%)

Blue (94%)

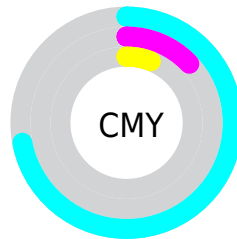


Cyan (70%)

Magenta (8%)

Yellow (0%)

Black (6%)



Cyan (72%)


Magenta (13%)


Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9115, 0.2270, 0.3055 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 59.9115, 0.2270, 0.3055 by changing the saturation by 10% instead.


 59.9115, 0.2270,
0.3055


 59.9115, 0.2270,
0.3055


424.2715, 0.2666,
0.3180

 43.3473, 0.2181,
0.3022


 104.7013, 0.2407,
0.3102


 30.1577, 0.2072,
0.2980


 133.6956, 0.2460,
0.3119

 19.9583, 0.1935,
0.2924

 167.6022, 0.2506,
0.3133

 12.3648, 0.1760,
0.2844

 206.8053, 0.2546,
0.3146

 6.9926, 0.1530,
0.2728

251.6894, 0.2581,
0.3156

 3.4575, 0.1220,
0.2543

302.6389, 0.2613,

 1.3750, 0.0703,

0.3165

0.2248

360.0381, 0.2641,
0.3173

■ 0.1982, 0.0000,
0.0993

■ 0.0000, 0.0000,
0.0000

■ 59.9115, 0.2270,
0.3055

■ 59.9115, 0.2270,
0.3055

■ 57.8103, 0.2213,
0.3017

■ 62.3976, 0.2347,
0.3093


■ 56.0426, 0.2174,
0.2980


■ 65.2995, 0.2443,
0.3130


■ 54.5443, 0.2151,
0.2944


■ 68.6523, 0.2556,
0.3165


■ 72.4855, 0.2684,
0.3200

 76.8260, 0.2823,
0.3232

 81.6986, 0.2972,
0.3262

 87.1265, 0.3126,
0.3290

 91.4088, 0.3224,
0.3315

 92.9558, 0.3222,
0.3340

Harmonies

Analogous

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



59.9115, 0.2523, 0.3549



59.9115, 0.2270, 0.3055



59.9115, 0.2229, 0.2686

Triad

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



59.9115, 0.2270, 0.3055



59.9115, 0.3252, 0.2709



59.9115, 0.3870, 0.4098

Complementary

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



59.9115, 0.2270, 0.3055



26.2880, 0.5357, 0.3455

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.



59.9115, 0.4108, 0.3796



59.9115, 0.2270, 0.3055



59.9115, 0.3743, 0.3022

Square

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



59.9115, 0.2270, 0.3055



59.9115, 0.2762, 0.2524



59.9115, 0.4066, 0.3407



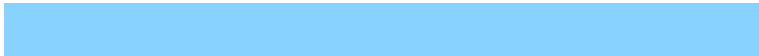
59.9115, 0.3440, 0.4195

Rectangle

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



59.9115, 0.2270, 0.3055



59.9115, 0.2320, 0.2546



59.9115, 0.4066, 0.3407



59.9115, 0.3976, 0.4014

Sweetspot

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



59.9137, 0.2270, 0.3055



87.6131, 0.2809, 0.3229



64.4279, 0.2969, 0.5370



18.4483, 0.2769, 0.3220



0.0000, 0.0000, 0.0000



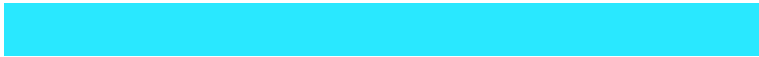
21.4041, 0.3127, 0.3290

Same Dimension

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



59.9137, 0.2270, 0.3055



65.4264, 0.2194, 0.3002



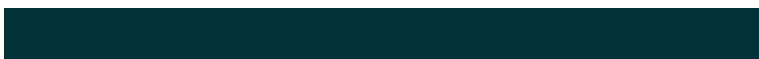
26.1663, 0.1976, 0.1871



17.6226, 0.2981, 0.3264



29.9681, 0.2153, 0.2950



2.5753, 0.2166, 0.2998

Inverse Universe

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



28.4211, 0.3390, 0.1873



28.6609, 0.3447, 0.1746



48.7925, 0.4579, 0.4296



16.0005, 0.3154, 0.3082



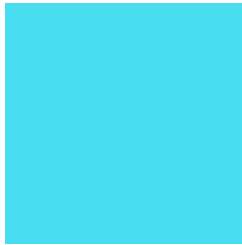
12.8186, 0.3499, 0.1701



1.0747, 0.3456, 0.1677

Previews

White Background



This preview shows how the Yxy color 59.9115, 0.2270, 0.3055 looks on a white background.

Color Contrast Check

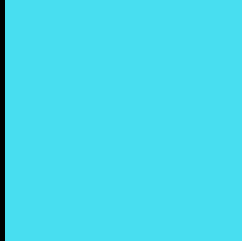
Large Text (above 18pt) WCAG AA × Fail

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 59.9115, 0.2270, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

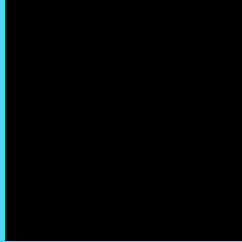
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9115, 0.2270, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 59.9115, 0.2270, 0.3055.

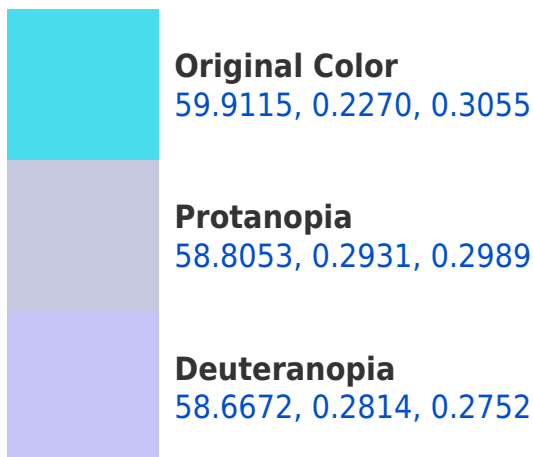


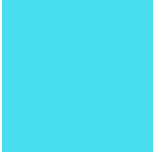
This preview shows how white text looks on a background with the Yxy color 59.9115, 0.2270, 0.3055.

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

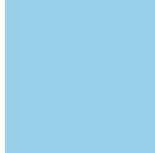
59.9115, 0.2270, 0.3055

Trichromacy



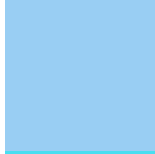
Original Color

59.9115, 0.2270, 0.3055



Protanomaly

57.5567, 0.2606, 0.3005



Deuteranomaly

57.3860, 0.2545, 0.2842



Tritanomaly

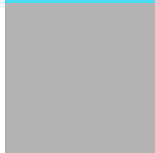
59.9115, 0.2270, 0.3055

Monochromacy



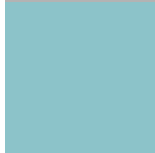
Original Color

59.9115, 0.2270, 0.3055



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.8227, 0.2685, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9115, 0.2270, 0.3055 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(72, 222, 240)` looks like.

```
.text, #text, p{  
    color:rgb(72, 222, 240)  
}
```

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(72, 222, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 222, 240) }
```

Border

The CSS property to change the border of an element to Yxy 59.9115, 0.2270, 0.3055 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(72, 222, 240) }
```

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

```
.border{ border-color:rgb(72, 222, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 222, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 222, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 222, 240);  
box-shadow:4px 4px 4px 4px rgb(72, 222,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9115, 0.2270, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 222, 240) }
```

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

```
.background{ background-color: rgb(72, 222,  
240) }
```

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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