

Converting Colors

$Y_{xy}(59.1396, 0.2139, 0.2855)$

Have a look what the booklet for
Yxy(59.1396, 0.2139, 0.2855)
contains.

Yxy(59.1396, 0.2139, 0.2855)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(59.1396, 0.2139, 0.2855)

Conversions

Conversions Part 1

Format	Color
Hex	19DDFF
RGB	25, 221, 255
RGB Percent	10%, 87%, 100%
CMY	0.9019, 0.1333, 0.0000
CMYK	0.90, 0.13, 0.00, 0.00
HSL	189°, 100%, 55%
HSV	189°, 90%, 100%
XYZ	44.3081, 59.1396, 103.6963
YIQ	166.2720, -127.7300, -30.9780

Conversions

Conversions Part 2

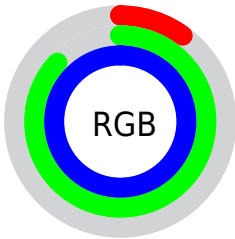
Format	Color
R_{YB}	25, 131, 255
Decimal	1695231
CIE Lab	81.37, -32.00, -28.90
CIE LCh	81, 43.116, 222.082
Yxy	59.1396, 0.2139, 0.2855
Android (android.graphics.Color)	4279885311 (0xFF19DDFF)
YUV	166.2720, 43.7429, -123.8955
Hunter-Lab	76.9023, -31.7342, -26.1160

Details

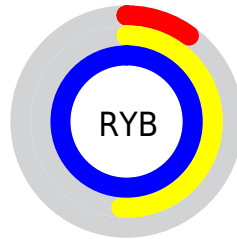
The Yxy color **59.1396, 0.2139, 0.2855** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **24.4585, 0.6069, 0.3454**, and the grayscale version is **38.1037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **31.3497, 0.2101, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **57.0037, 0.2112, 0.2804**, and if you desaturate by 10%, it is **61.6382, 0.2182, 0.2908**.

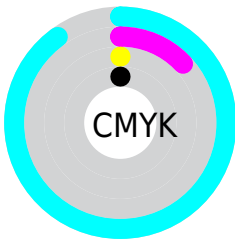
Distribution



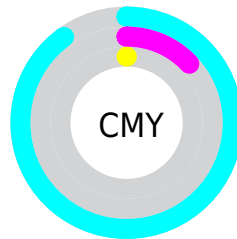
- Red (10%)
- Green (87%)
- Blue (100%)



- Red (10%)
- Yellow (51%)
- Blue (100%)



- Cyan (90%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.1396, 0.2139, 0.2855 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 59.1396, 0.2139, 0.2855 by changing the saturation by 10% instead.


 59.1396, 0.2139,
0.2855

 59.1396, 0.2139,
0.2855


421.4191, 0.2591,
0.3077

 42.7255, 0.2039,
0.2800


 103.5805, 0.2294,
0.2936

 29.6698, 0.1917,
0.2730


 132.3762, 0.2354,
0.2966

 19.5881, 0.1767,
0.2639


 166.0678, 0.2407,
0.2992

 12.0960, 0.1577,
0.2515

 205.0397, 0.2453,
0.3014

 6.8091, 0.1334,
0.2341

249.6764, 0.2494,
0.3033

 3.3430, 0.1019,
0.2084

300.3623, 0.2530,

 1.3133, 0.0537,

0.3049

0.1701

357.4817, 0.2562,
0.3064

■ 0.1515, 0.0000,
0.0518

■ 0.0000, 0.0000,
0.0000

■ 59.1396, 0.2139,
0.2855

■ 59.1396, 0.2139,
0.2855

■ 57.0037, 0.2112,
0.2804

■ 61.6382, 0.2182,
0.2908

■ 64.5418, 0.2245,
0.2961

■ 67.9042, 0.2327,
0.3014

■ 71.7694, 0.2428,
0.3066

 76.1758, 0.2545,
0.3117

 81.1578, 0.2677,
0.3165

 86.7468, 0.2819,
0.3210

 92.9718, 0.2969,
0.3251

99.8597, 0.3124,
0.3289

Harmonies

Analogous

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



59.1396, 0.2333, 0.3372



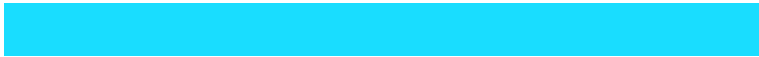
59.1396, 0.2139, 0.2855



59.1396, 0.2179, 0.2524

Triad

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



59.1396, 0.2139, 0.2855



59.1396, 0.3468, 0.2758



59.1396, 0.3793, 0.4259

Complementary

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



59.1396, 0.2139, 0.2855



24.4585, 0.6069, 0.3454

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.



59.1396, 0.4152, 0.3979



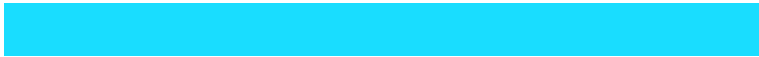
59.1396, 0.2139, 0.2855



59.1396, 0.3972, 0.3136

Square

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



59.1396, 0.2139, 0.2855



59.1396, 0.2903, 0.2501



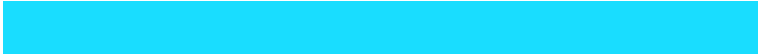
59.1396, 0.4228, 0.3568



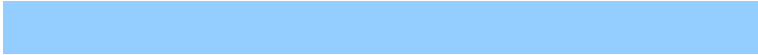
59.1396, 0.3273, 0.4265

Rectangle

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



59.1396, 0.2139, 0.2855



59.1396, 0.2332, 0.2426



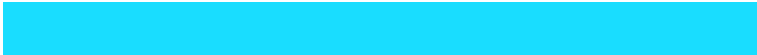
59.1396, 0.4228, 0.3568



59.1396, 0.3937, 0.4189

Sweetspot

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



59.1410, 0.2139, 0.2855



82.8755, 0.2721, 0.3179



72.0091, 0.2960, 0.5782



17.3462, 0.2674, 0.3164



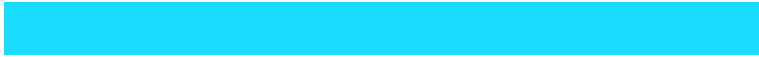
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



59.1410, 0.2139, 0.2855



57.0037, 0.2112, 0.2804



18.4360, 0.1720, 0.1324



19.9968, 0.2980, 0.3254



29.9598, 0.2115, 0.2813



3.0362, 0.2131, 0.2873

Inverse Universe

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



27.1761, 0.3581, 0.1781



26.2857, 0.3631, 0.1774



50.3310, 0.4908, 0.4418



18.2515, 0.3161, 0.3090



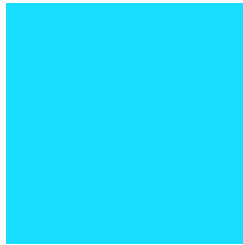
13.7524, 0.3623, 0.1769



1.3510, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 59.1396, 0.2139, 0.2855 looks on a white background.

Color Contrast Check

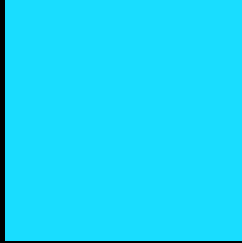
Large Text (above 18pt) WCAG AA × Fail

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 59.1396, 0.2139, 0.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

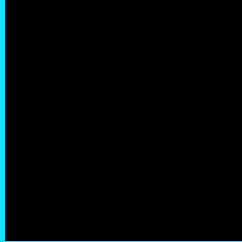
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.1396, 0.2139, 0.2855

Background



This preview shows how black text looks on a background with the Yxy color 59.1396, 0.2139, 0.2855.



This preview shows how white text looks on a background with the Yxy color 59.1396, 0.2139, 0.2855.

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

59.1396, 0.2139, 0.2855

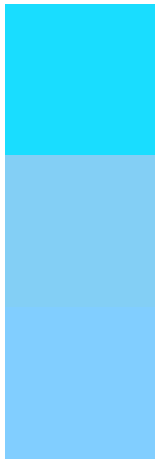
Protanopia

58.2853, 0.2804, 0.2831

Deuteranopia

57.9713, 0.2686, 0.2639

Trichromacy



Original Color

59.1396, 0.2139, 0.2855

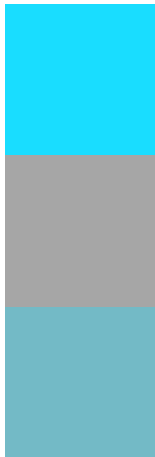
Protanomaly

56.0435, 0.2421, 0.2818

Deuteranomaly

56.0297, 0.2364, 0.2693

Monochromacy



Original Color

59.1396, 0.2139, 0.2855

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

42.8399, 0.2532, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1396, 0.2139, 0.2855 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(25, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(25, 221, 255)  
}
```

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(25, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.1396, 0.2139, 0.2855 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(25, 221, 255) }
```

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

```
.border{ border-color:rgb(25, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(25, 221,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 59.1396, 0.2139, 0.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 221, 255) }
```

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

```
.background{ background-color: rgb(25, 221,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor