

Converting Colors

Yxy(63.5456, 0.2171, 0.2962)

Have a look what the booklet for
Yxy(63.5456, 0.2171, 0.2962)
contains.

Yxy(63.5055, 0.2170, 0.2961)	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>	30

Color

Yxy(63.5055, 0.2170, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	1CE5FF
RGB	28, 229, 255
RGB Percent	11%, 90%, 100%
CMY	0.8920, 0.1019, 0.0000
CMYK	0.89, 0.10, 0.00, 0.00
HSL	187°, 100%, 55%
HSV	187°, 89%, 100%
XYZ	46.5407, 63.5055, 104.4270
YIQ	171.8650, -128.1420, -34.5260

Conversions

Conversions Part 2

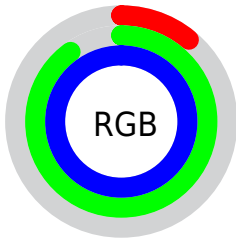
Format	Color
R _Y B	28, 135, 255
Decimal	1893887
CIE Lab	83.71, -35.68, -25.32
CIE LCh	84, 43.752, 215.366
Yxy	63.5055, 0.2170, 0.2961
Android (android.graphics.Color)	4280083967 (0xFF1CE5FF)
YUV	171.8650, 40.9856, -126.1696
Hunter-Lab	79.6903, -35.2107, -21.9109

Details

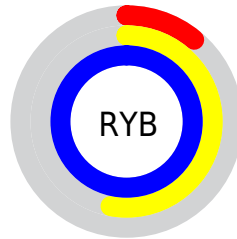
The Yxy color **63.5055, 0.2170, 0.2961** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.9373, 0.6096, 0.3414**, and the grayscale version is **40.9534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **33.9644, 0.2135, 0.2884** is the 20% darker color. If you saturate the color by 10%, you get **61.6803, 0.2146, 0.2922**, and if you desaturate by 10%, it is **65.6503, 0.2211, 0.3001**.

Distribution



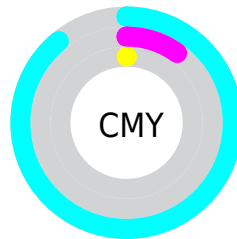
- Red (11%)
- Green (90%)
- Blue (100%)



- Red (11%)
- Yellow (53%)
- Blue (100%)



- Cyan (89%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5055, 0.2170, 0.2961 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 63.5055, 0.2170, 0.2961 by changing the saturation by 10% instead.


 63.5055, 0.2170,
0.2961


 63.5055, 0.2170,
0.2961

437.4017, 0.2604,
0.3132


 46.2503, 0.2074,
0.2918


 109.8985, 0.2318,
0.3023


 32.4434, 0.1959,
0.2863


 139.8050, 0.2376,
0.3047

 21.7004, 0.1816,
0.2791


 174.6974, 0.2427,
0.3067

 13.6369, 0.1636,
0.2693

 214.9601, 0.2471,
0.3083

 7.8686, 0.1405,
0.2553

260.9775, 0.2510,
0.3098

 4.0110, 0.1104,
0.2342

313.1340, 0.2545,

 1.6797, 0.0684,

0.3111

0.2010

371.8139, 0.2576,
0.3122

■ 0.4105, 0.0000,
0.1263

■ 0.0000, 0.0000,
0.0000

■ 63.5055, 0.2170,
0.2961

■ 63.5055, 0.2170,
0.2961

■ 61.6803, 0.2146,
0.2922

■ 65.6503, 0.2211,
0.3001

■ 61.5395, 0.2144,
0.2919

■ 68.1884, 0.2271,
0.3042

■ 71.1719, 0.2350,
0.3082

■ 74.6442, 0.2448,
0.3122

■ 78.6430, 0.2564,
0.3160

■ 83.2023, 0.2694,
0.3197

■ 88.3529, 0.2835,
0.3231

■ 94.1236, 0.2985,
0.3263

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

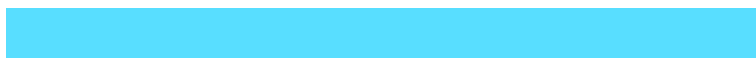
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.5055, 0.2413, 0.3499



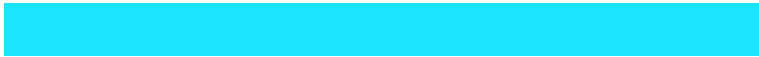
63.5055, 0.2170, 0.2961



63.5055, 0.2158, 0.2586

Triad

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



63.5055, 0.2170, 0.2961



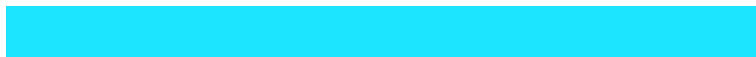
63.5055, 0.3338, 0.2693



63.5055, 0.3886, 0.4207

Complementary

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



63.5055, 0.2170, 0.2961



23.9373, 0.6096, 0.3414

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.



63.5055, 0.4188, 0.3889



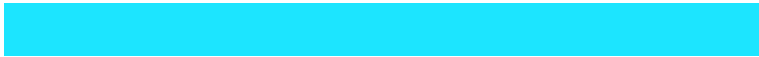
63.5055, 0.2170, 0.2961



63.5055, 0.3868, 0.3046

Square

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



63.5055, 0.2170, 0.2961



63.5055, 0.2790, 0.2472



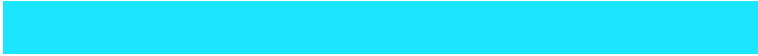
63.5055, 0.4189, 0.3469



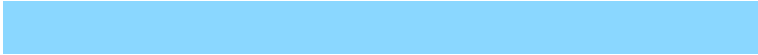
63.5055, 0.3394, 0.4284

Rectangle

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



63.5055, 0.2170, 0.2961



63.5055, 0.2277, 0.2455



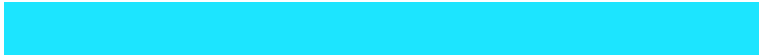
63.5055, 0.4189, 0.3469



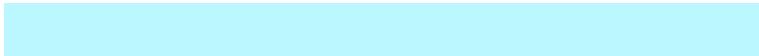
63.5055, 0.4014, 0.4121

Sweetspot

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



63.5066, 0.2170, 0.2961



84.2812, 0.2724, 0.3204



71.9935, 0.2973, 0.5815



17.6831, 0.2677, 0.3192



0.0000, 0.0000, 0.0000



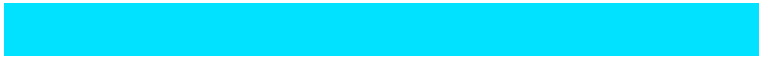
21.4041, 0.3127, 0.3290

Same Dimension

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



63.5066, 0.2170, 0.2961



61.5395, 0.2144, 0.2919



20.5430, 0.1754, 0.1438



20.1061, 0.2980, 0.3262



32.2972, 0.2146, 0.2925



3.2411, 0.2159, 0.2970

Inverse Universe

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



27.7273, 0.3485, 0.1732



26.7436, 0.3527, 0.1716



47.9001, 0.4972, 0.4352



18.2625, 0.3156, 0.3082



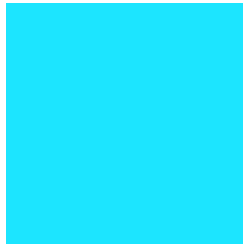
13.9884, 0.3521, 0.1713



1.3717, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 63.5055, 0.2170, 0.2961 looks on a white background.

Color Contrast Check

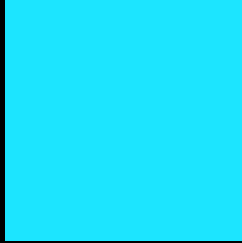
Large Text (above 18pt) WCAG AA × Fail

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 63.5055, 0.2170, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

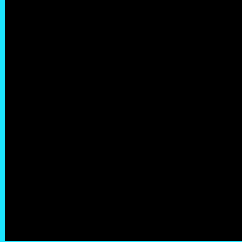
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.5055, 0.2170, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 63.5055, 0.2170, 0.2961.

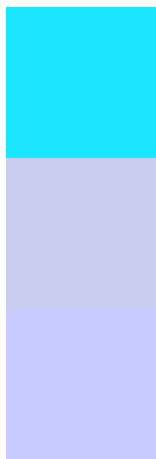


This preview shows how white text looks on a background with the Yxy color 63.5055, 0.2170, 0.2961.

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

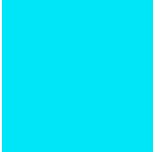
63.5055, 0.2170, 0.2961

Protanopia

62.3121, 0.2870, 0.2908

Deuteranopia

62.2112, 0.2764, 0.2720



Tritanopia

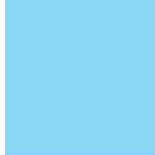
63.4332, 0.2179, 0.3045

Trichromacy



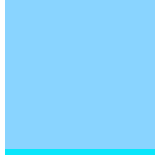
Original Color

63.5055, 0.2170, 0.2961



Protanomaly

60.0890, 0.2471, 0.2911



Deuteranomaly

59.6253, 0.2415, 0.2774



Tritanomaly

63.6232, 0.2176, 0.3021

Monochromacy



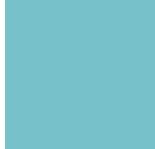
Original Color

63.5055, 0.2170, 0.2961



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

46.3261, 0.2548, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5055, 0.2170, 0.2961 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(28, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 229, 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(28, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.5055, 0.2170, 0.2961 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(28, 229, 255) }
```

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

```
.border{ border-color:rgb(28, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5055, 0.2170, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 229, 255) }
```

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

```
.background{ background-color: rgb(28, 229,  
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