

Converting Colors

$Y_{xy}(58.2575, 0.2146, 0.2828)$

Have a look what the booklet for
Yxy(58.2575, 0.2146, 0.2828)
contains.

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Color

Yxy(58.3342, 0.2147, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	28DBFF
RGB	40, 219, 255
RGB Percent	16%, 86%, 100%
CMY	0.8432, 0.1412, 0.0000
CMYK	0.84, 0.14, 0.00, 0.00
HSL	190°, 100%, 58%
HSV	190°, 84%, 100%
XYZ	44.2557, 58.3342, 103.5381
YIQ	169.5830, -118.2400, -26.7520

Conversions

Conversions Part 2

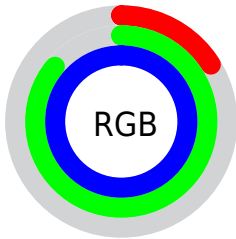
Format	Color
R_{YB}	40, 138, 255
Decimal	2677759
CIE _{Lab}	80.92, -30.24, -29.56
CIE _{LCh}	81, 42.289, 224.350
Yxy	58.3342, 0.2147, 0.2830
Android (android.graphics.Color)	4280867839 (0xFF28DBFF)
YUV	169.5830, 42.1106, -113.6443
Hunter-Lab	76.3768, -30.2297, -26.9110

Details

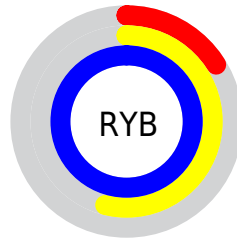
The Yxy color **58.3342, 0.2147, 0.2830** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.5778, 0.5848, 0.3516**, and the grayscale version is **39.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **30.6281, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **55.7836, 0.2109, 0.2770**, and if you desaturate by 10%, it is **61.2815, 0.2204, 0.2891**.

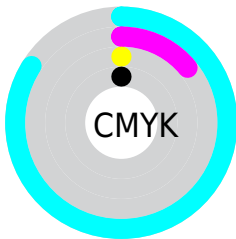
Distribution



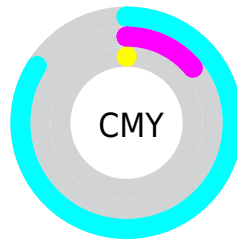
- Red (16%)
- Green (86%)
- Blue (100%)



- Red (16%)
- Yellow (54%)
- Blue (100%)



- Cyan (84%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (84%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3342, 0.2147, 0.2830 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 58.3342, 0.2147, 0.2830 by changing the saturation by 10% instead.


 58.3342, 0.2147,
0.2830


 58.3342, 0.2147,
0.2830


418.4301, 0.2596,
0.3064


 42.0774, 0.2047,
0.2772


 102.4094, 0.2301,
0.2915


 29.1619, 0.1926,
0.2699


 130.9965, 0.2361,
0.2947

 19.2033, 0.1775,
0.2604


 164.4626, 0.2414,
0.2974

 11.8173, 0.1586,
0.2476

 203.1919, 0.2459,
0.2997

 6.6194, 0.1342,
0.2296

247.5689, 0.2500,
0.3017

 3.2252, 0.1026,
0.2031

297.9780, 0.2535,

 1.2504, 0.0539,

0.3034

0.1638

354.8036, 0.2567,
0.3050

■ 0.1023, 0.0000,
0.0358

■ 0.0000, 0.0000,
0.0000

■ 58.3342, 0.2147,
0.2830

■ 58.3342, 0.2147,
0.2830

■ 55.7836, 0.2109,
0.2770

■ 61.2815, 0.2204,
0.2891

■ 54.4634, 0.2093,
0.2736

■ 64.6779, 0.2281,
0.2952

■ 68.5723, 0.2377,
0.3012

■ 73.0051, 0.2490,
0.3070

■ 78.0126, 0.2618,
0.3126

■ 83.6273, 0.2758,
0.3178

■ 89.8793, 0.2906,
0.3227

■ 96.7966, 0.3060,
0.3272

■ 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.



58.3342, 0.2321, 0.3329



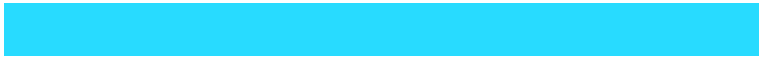
58.3342, 0.2147, 0.2830



58.3342, 0.2204, 0.2519

Triad

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



58.3342, 0.2147, 0.2830



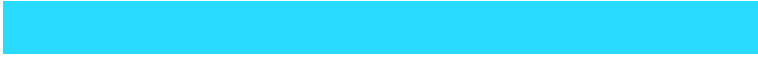
58.3342, 0.3506, 0.2790



58.3342, 0.3749, 0.4257

Complementary

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



58.3342, 0.2147, 0.2830



26.5778, 0.5848, 0.3516

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.



58.3342, 0.4119, 0.3998



58.3342, 0.2147, 0.2830



58.3342, 0.3989, 0.3170

Square

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



58.3342, 0.2147, 0.2830



58.3342, 0.2946, 0.2525



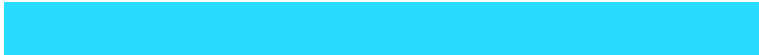
58.3342, 0.4217, 0.3598



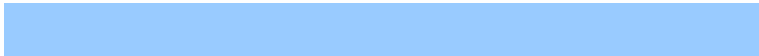
58.3342, 0.3230, 0.4236

Rectangle

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



58.3342, 0.2147, 0.2830



58.3342, 0.2366, 0.2432



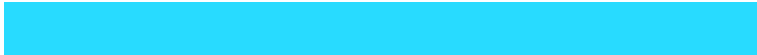
58.3342, 0.4217, 0.3598



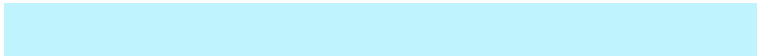
58.3342, 0.3896, 0.4195

Sweetspot

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



58.3360, 0.2147, 0.2830



83.2278, 0.2748, 0.3175



72.4898, 0.2936, 0.5610



17.3799, 0.2698, 0.3157



0.0000, 0.0000, 0.0000



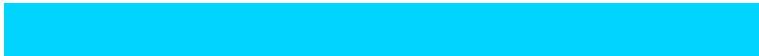
21.4041, 0.3127, 0.3290

Same Dimension

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



58.3360, 0.2147, 0.2830



54.4634, 0.2093, 0.2736



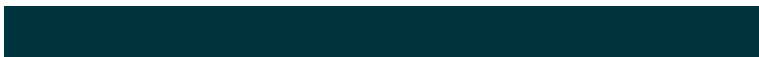
19.1818, 0.1752, 0.1362



19.9333, 0.2980, 0.3249



28.6496, 0.2096, 0.2746



2.9207, 0.2115, 0.2815

Inverse Universe

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



27.8906, 0.3600, 0.1833



26.0293, 0.3694, 0.1809



55.4142, 0.4741, 0.4482



18.2451, 0.3164, 0.3094



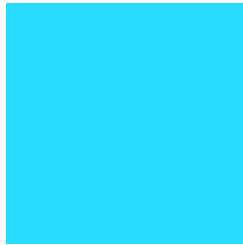
13.6202, 0.3685, 0.1804



1.3394, 0.3621, 0.1769

Previews

White Background



This preview shows how the Yxy color 58.3342, 0.2147, 0.2830 looks on a white background.

Color Contrast Check

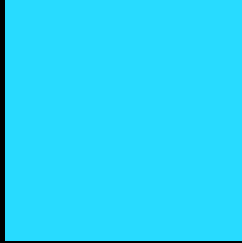
Large Text (above 18pt) WCAG AA × Fail

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 58.3342, 0.2147, 0.2830 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 58.3342, 0.2147, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 58.3342, 0.2147, 0.2830.

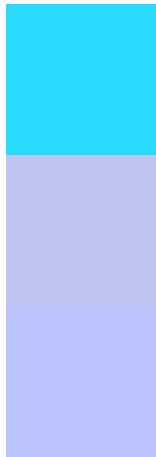


This preview shows how white text looks on a background with the Yxy color 58.3342, 0.2147, 0.2830.

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

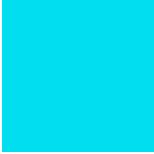
58.3342, 0.2147, 0.2830

Protanopia

57.1709, 0.2783, 0.2795

Deuteranopia

57.2647, 0.2672, 0.2625



Tritanopia

58.5338, 0.2181, 0.3050

Trichromacy



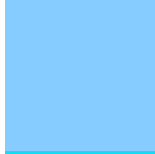
Original Color

58.3342, 0.2147, 0.2830



Protanomaly

55.4061, 0.2437, 0.2795



Deuteranomaly

55.4741, 0.2383, 0.2671



Tritanomaly

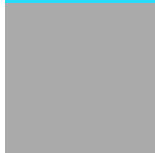
58.4070, 0.2166, 0.2974

Monochromacy



Original Color

58.3342, 0.2147, 0.2830



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.3944, 0.2566, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3342, 0.2147, 0.2830 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(40, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(40, 219, 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(40, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.3342, 0.2147, 0.2830 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(40, 219, 255) }
```

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

```
.border{ border-color:rgb(40, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(40, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3342, 0.2147, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 219, 255) }
```

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

```
.background{ background-color: rgb(40, 219,  
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](#).

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