

Converting Colors

$Yxy(62.3470, 0.2104, 0.2658)$

Have a look what the booklet for
Yxy(62.3470, 0.2104, 0.2658)
contains.

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Color

Yxy(61.1356, 0.2174, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	2FE0FF
RGB	47, 224, 255
RGB Percent	18%, 88%, 100%
CMY	0.8161, 0.1216, 0.0000
CMYK	0.82, 0.12, 0.00, 0.00
HSL	189°, 100%, 59%
HSV	189°, 82%, 100%
XYZ	45.8781, 61.1356, 104.0170
YIQ	174.6110, -115.4430, -27.8830

Conversions

Conversions Part 2

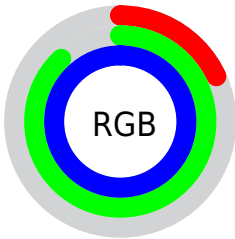
Format	Color
R_{YB}	47, 143, 255
Decimal	3137791
CIE _{Lab}	82.45, -32.14, -27.23
CIE _{LCh}	82, 42.128, 220.270
Yxy	61.1356, 0.2174, 0.2897
Android (android.graphics.Color)	4281327871 (0xFF2FE0FF)
YUV	174.6110, 39.6318, -111.9148
Hunter-Lab	78.1893, -32.0951, -24.1424

Details

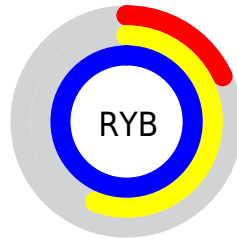
The Yxy color **61.1356, 0.2174, 0.2897** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.8991, 0.5783, 0.3498**, and the grayscale version is **42.4803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **32.0825, 0.2111, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **58.6785, 0.2133, 0.2844**, and if you desaturate by 10%, it is **63.9915, 0.2234, 0.2951**.

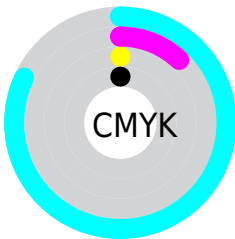
Distribution



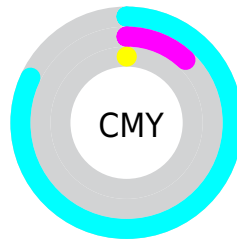
- Red (18%)
- Green (88%)
- Blue (100%)



- Red (18%)
- Yellow (56%)
- Blue (100%)



- Cyan (82%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (82%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1356, 0.2174, 0.2897 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 61.1356, 0.2174, 0.2897 by changing the saturation by 10% instead.


 61.1356, 0.2174,
0.2897

 61.1356, 0.2174,
0.2897

428.7710, 0.2608,
0.3098

 44.3346, 0.2078,
0.2847

 106.4753, 0.2323,
0.2970

 30.9337, 0.1961,
0.2784


 135.7827, 0.2381,
0.2997

 20.5483, 0.1816,
0.2701


 170.0278, 0.2432,
0.3021

 12.7943, 0.1634,
0.2589

 209.5948, 0.2476,
0.3040

 7.2870, 0.1399,
0.2431

254.8683, 0.2515,
0.3058

 3.6422, 0.1093,
0.2195

306.2325, 0.2550,

 1.4755, 0.0653,

0.3073

0.1834

364.0720, 0.2581,
0.3086

■ 0.2714, 0.0000,
0.0883

■ 0.0000, 0.0000,
0.0000

■ 61.1356, 0.2174,
0.2897

■ 61.1356, 0.2174,
0.2897

■ 58.6785, 0.2133,
0.2844

■ 63.9915, 0.2234,
0.2951

■ 56.8549, 0.2111,
0.2800

■ 67.3000, 0.2314,
0.3005

■ 71.1062, 0.2412,
0.3057

■ 75.4491, 0.2527,
0.3108

80.3636, 0.2657,
0.3157

85.8816, 0.2798,
0.3203

92.0323, 0.2948,
0.3245

98.8429, 0.3102,
0.3284

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.



61.1356, 0.2377, 0.3404



61.1356, 0.2174, 0.2897



61.1356, 0.2199, 0.2563

Triad

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



61.1356, 0.2174, 0.2897



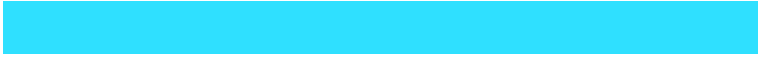
61.1356, 0.3424, 0.2756



61.1356, 0.3800, 0.4218

Complementary

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



61.1356, 0.2174, 0.2897



26.8991, 0.5783, 0.3498

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.



61.1356, 0.4132, 0.3938



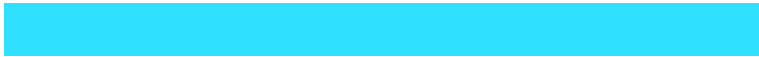
61.1356, 0.2174, 0.2897



61.1356, 0.3919, 0.3118

Square

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



61.1356, 0.2174, 0.2897



61.1356, 0.2880, 0.2514



61.1356, 0.4185, 0.3537



61.1356, 0.3302, 0.4239

Rectangle

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



61.1356, 0.2174, 0.2897



61.1356, 0.2339, 0.2458



61.1356, 0.4185, 0.3537



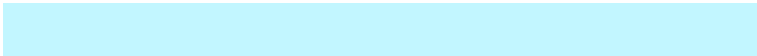
61.1356, 0.3935, 0.4146

Sweetspot

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



61.1357, 0.2174, 0.2897



84.5040, 0.2764, 0.3192



72.6253, 0.2951, 0.5612



17.6627, 0.2713, 0.3176



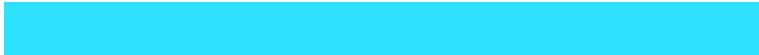
0.0000, 0.0000, 0.0000



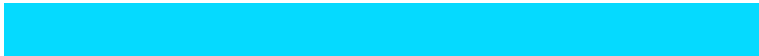
21.4041, 0.3127, 0.3290

Same Dimension

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



61.1357, 0.2174, 0.2897



57.2804, 0.2116, 0.2811



22.0392, 0.1805, 0.1511



19.9931, 0.2980, 0.3254



29.8830, 0.2114, 0.2809



3.0294, 0.2130, 0.2869

Inverse Universe

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



28.6675, 0.3537, 0.1820



26.4210, 0.3624, 0.1776



53.5839, 0.4763, 0.4415



18.2511, 0.3161, 0.3090



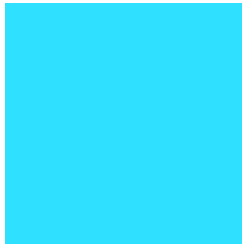
13.7447, 0.3626, 0.1771



1.3504, 0.3571, 0.1741

Previews

White Background



This preview shows how the Yxy color 61.1356, 0.2174, 0.2897 looks on a white background.

Color Contrast Check

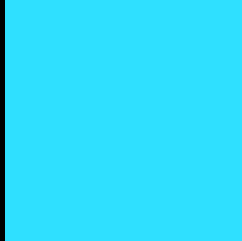
Large Text (above 18pt) WCAG AA × Fail

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 61.1356, 0.2174, 0.2897 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 61.1356, 0.2174, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 61.1356, 0.2174, 0.2897.

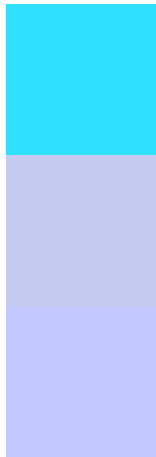


This preview shows how white text looks on a background with the Yxy color 61.1356, 0.2174, 0.2897.

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

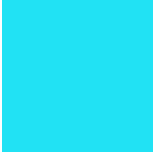
61.1356, 0.2174, 0.2897

Protanopia

60.2681, 0.2828, 0.2859

Deuteranopia

59.9979, 0.2722, 0.2679



Tritanopia

61.2477, 0.2202, 0.3055

Trichromacy



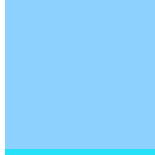
Original Color

61.1356, 0.2174, 0.2897



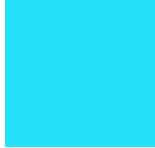
Protanomaly

58.4365, 0.2483, 0.2863



Deuteranomaly

58.4836, 0.2428, 0.2740



Tritanomaly

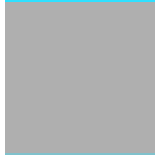
61.0398, 0.2190, 0.2993

Monochromacy



Original Color

61.1356, 0.2174, 0.2897



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

47.0888, 0.2589, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1356, 0.2174, 0.2897 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(47, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(47, 224, 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(47, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.1356, 0.2174, 0.2897 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(47, 224, 255) }
```

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

```
.border{ border-color:rgb(47, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1356, 0.2174, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 224, 255) }
```

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

```
.background{ background-color: rgb(47, 224,  
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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