

Converting Colors

$Y_{xy}(60.3396, 0.2151, 0.2815)$

Have a look what the booklet for
Yxy(60.3396, 0.2151, 0.2815)
contains.

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Color

Yxy(60.0669, 0.2167, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	2FDEFF
RGB	47, 222, 255
RGB Percent	18%, 87%, 100%
CMY	0.8163, 0.1294, 0.0000
CMYK	0.82, 0.13, 0.00, 0.00
HSL	190°, 100%, 59%
HSV	190°, 82%, 100%
XYZ	45.3379, 60.0669, 103.8147
YIQ	173.4370, -114.8930, -26.8370

Conversions

Conversions Part 2

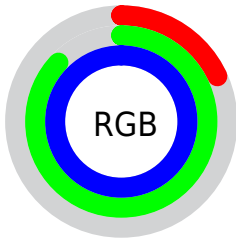
Format	Color
RYB	47, 142, 255
Decimal	3137279
CIELab	81.87, -31.20, -28.10
CIELCh	82, 41.989, 222.004
Yxy	60.0669, 0.2167, 0.2871
Android (android.graphics.Color)	4281327359 (0xFF2FDEFF)
YUV	173.4370, 40.2106, -110.8852
Hunter-Lab	77.5028, -31.2105, -25.1667

Details

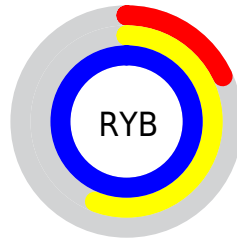
The Yxy color **60.0669, 0.2167, 0.2871** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.1767, 0.5767, 0.3513**, and the grayscale version is **41.8362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **31.3497, 0.2101, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **57.5101, 0.2125, 0.2814**, and if you desaturate by 10%, it is **63.0319, 0.2228, 0.2928**.

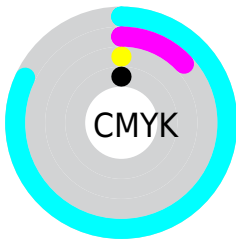
Distribution



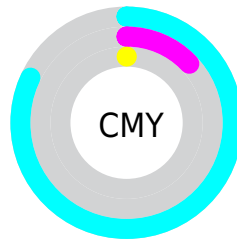
- Red (18%)
- Green (87%)
- Blue (100%)



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



- Cyan (82%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.0669, 0.2167, 0.2871 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 60.0669, 0.2167, 0.2871 by changing the saturation by 10% instead.


 60.0669, 0.2167,
0.2871


 60.0669, 0.2167,
0.2871


424.8443, 0.2606,
0.3084


 43.4726, 0.2070,
0.2818


 104.9267, 0.2317,
0.2948

 30.2561, 0.1951,
0.2751


 133.9610, 0.2376,
0.2978

 20.0330, 0.1805,
0.2664


 167.9107, 0.2427,
0.3002

 12.4191, 0.1620,
0.2545

 207.1602, 0.2472,
0.3023

 7.0297, 0.1383,
0.2379

252.0939, 0.2511,
0.3042

 3.4807, 0.1073,
0.2133

303.0962, 0.2546,

 1.3876, 0.0618,

0.3058

0.1759

360.5516, 0.2577,
0.3072

■ 0.2075, 0.0000,
0.0694

■ 0.0000, 0.0000,
0.0000

■ 60.0669, 0.2167,
0.2871

■ 60.0669, 0.2167,
0.2871

■ 57.5101, 0.2125,
0.2814

■ 63.0319, 0.2228,
0.2928

■ 55.6108, 0.2102,
0.2767

■ 66.4534, 0.2309,
0.2986

■ 70.3785, 0.2409,
0.3042

■ 74.8463, 0.2525,
0.3096

79.8916, 0.2656,
0.3148

85.5465, 0.2798,
0.3197

91.8403, 0.2947,
0.3242

98.8002, 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.



60.0669, 0.2357, 0.3372



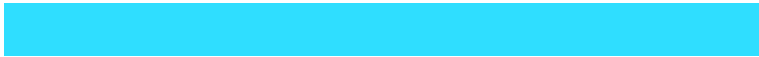
60.0669, 0.2167, 0.2871



60.0669, 0.2205, 0.2548

Triad

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



60.0669, 0.2167, 0.2871



60.0669, 0.3457, 0.2773



60.0669, 0.3776, 0.4230

Complementary

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



60.0669, 0.2167, 0.2871



27.1767, 0.5767, 0.3513

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.



60.0669, 0.4122, 0.3960



60.0669, 0.2167, 0.2871



60.0669, 0.3944, 0.3140

Square

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



60.0669, 0.2167, 0.2871



60.0669, 0.2909, 0.2522



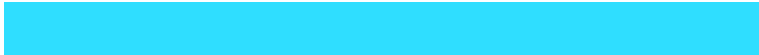
60.0669, 0.4193, 0.3561



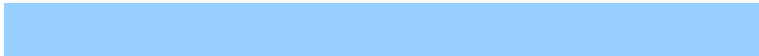
60.0669, 0.3272, 0.4233

Rectangle

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



60.0669, 0.2167, 0.2871



60.0669, 0.2354, 0.2451



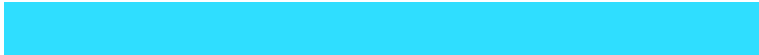
60.0669, 0.4193, 0.3561



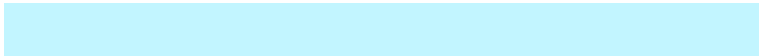
60.0669, 0.3915, 0.4163

Sweetspot

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



60.0688, 0.2167, 0.2871



84.1499, 0.2763, 0.3186



72.6716, 0.2942, 0.5581



17.5763, 0.2712, 0.3168



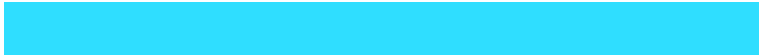
0.0000, 0.0000, 0.0000



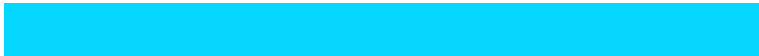
21.4041, 0.3127, 0.3290

Same Dimension

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



60.0688, 0.2167, 0.2871



56.0553, 0.2107, 0.2778



21.1809, 0.1793, 0.1467



19.9622, 0.2980, 0.3251



29.2414, 0.2105, 0.2776



2.9729, 0.2123, 0.2841

Inverse Universe

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



28.5549, 0.3561, 0.1834



26.2974, 0.3654, 0.1792



54.9792, 0.4730, 0.4445



18.2480, 0.3162, 0.3092



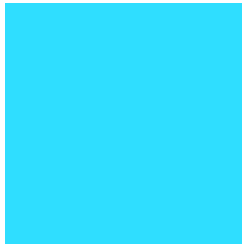
13.6799, 0.3656, 0.1788



1.3447, 0.3597, 0.1755

Previews

White Background



This preview shows how the Yxy color 60.0669, 0.2167, 0.2871 looks on a white background.

Color Contrast Check

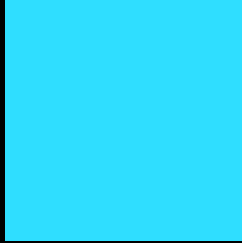
Large Text (above 18pt) WCAG AA × Fail

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 60.0669, 0.2167, 0.2871 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 60.0669, 0.2167, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 60.0669, 0.2167, 0.2871.

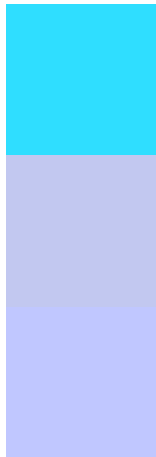


This preview shows how white text looks on a background with the Yxy color 60.0669, 0.2167, 0.2871.

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

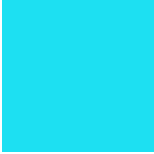
60.0669, 0.2167, 0.2871

Protanopia

59.0692, 0.2813, 0.2834

Deuteranopia

59.2733, 0.2708, 0.2666



Tritanopia

59.9833, 0.2198, 0.3053

Trichromacy



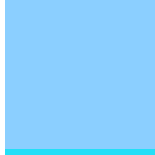
Original Color

60.0669, 0.2167, 0.2871



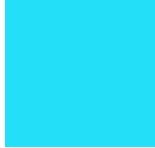
Protanomaly

57.2798, 0.2469, 0.2836



Deuteranomaly

57.3346, 0.2414, 0.2713



Tritanomaly

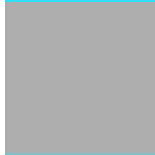
59.8481, 0.2183, 0.2978

Monochromacy



Original Color

60.0669, 0.2167, 0.2871



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

46.0854, 0.2585, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0669, 0.2167, 0.2871 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, 222, 255)` looks like.

```
.text, #text, p{  
  color:rgb(47, 222, 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, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.0669, 0.2167, 0.2871 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, 222, 255) }
```

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

```
.border{ border-color:rgb(47, 222, 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, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(47, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0669, 0.2167, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 222, 255) }
```

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

```
.background{ background-color: rgb(47, 222,  
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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