

Converting Colors

$Y_{xy}(60.2982, 0.2134, 0.2871)$

Have a look what the booklet for
Yxy(60.2982, 0.2134, 0.2871)
contains.

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Color

Yxy(60.0470, 0.2137, 0.2881)

Conversions

Conversions Part 1

Format	Color
Hex	09DFFF
RGB	9, 223, 255
RGB Percent	4%, 87%, 100%
CMY	0.9664, 0.1255, 0.0001
CMYK	0.97, 0.13, 0.00, 0.00
HSL	188°, 100%, 52%
HSV	188°, 97%, 100%
XYZ	44.5402, 60.0470, 103.8369
YIQ	162.6620, -137.8160, -35.4160

Conversions

Conversions Part 2

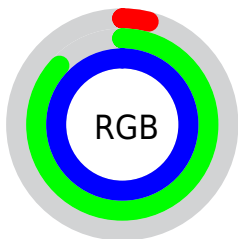
Format	Color
RYB	9, 123, 255
Decimal	647167
CIELab	81.86, -33.46, -28.13
CIELCh	82, 43.714, 220.055
Yxy	60.0470, 0.2137, 0.2881
Android (android.graphics.Color)	4278837247 (0xFF09DFFF)
YUV	162.6620, 45.5226, -134.7616
Hunter-Lab	77.4900, -33.0080, -25.2058

Details

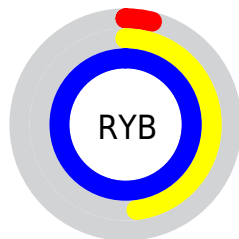
The Yxy color **60.0470, 0.2137, 0.2881** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.8305, 0.6247, 0.3391**, and the grayscale version is **36.2221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **31.7147, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **59.4022, 0.2129, 0.2866**, and if you desaturate by 10%, it is **62.1209, 0.2167, 0.2926**.

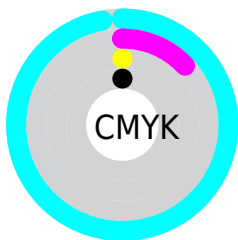
Distribution



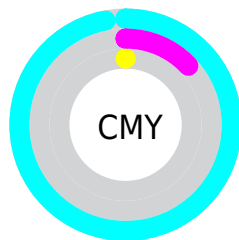
- Red (4%)
- Green (87%)
- Blue (100%)



- Red (4%)
- Yellow (48%)
- Blue (100%)



- Cyan (97%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (97%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.0470, 0.2137, 0.2881 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 60.0470, 0.2137, 0.2881 by changing the saturation by 10% instead.

 60.0470, 0.2137,
0.2881


 60.0470, 0.2137,
0.2881


424.7710, 0.2588,
0.3091


 43.4565, 0.2037,
0.2829


 104.8978, 0.2291,
0.2957


 30.2435, 0.1916,
0.2762


 133.9270, 0.2352,
0.2986

 20.0235, 0.1766,
0.2675

 167.8712, 0.2405,
0.3010

 12.4121, 0.1578,
0.2557

 207.1147, 0.2451,
0.3031

 7.0250, 0.1336,
0.2390

 252.0421, 0.2491,
0.3049

 3.4777, 0.1023,
0.2142

303.0377, 0.2527,

 1.3859, 0.0551,

0.3065

0.1769

360.4858, 0.2560,
0.3079

0.2063, 0.0000,
0.0690

0.0000, 0.0000,
0.0000

60.0470, 0.2137,
0.2881

60.0470, 0.2137,
0.2881

59.4022, 0.2129,
0.2866

62.1209, 0.2167,
0.2926

64.5475, 0.2214,
0.2973

67.3901, 0.2281,
0.3019

70.6976, 0.2367,
0.3065

■ 74.5118, 0.2472,
0.3110

■ 78.8692, 0.2593,
0.3153

■ 83.8032, 0.2728,
0.3194

■ 89.3440, 0.2872,
0.3233

■ 95.5199, 0.3024,
0.3268

Harmonies

Analogous

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



60.0470, 0.2348, 0.3411



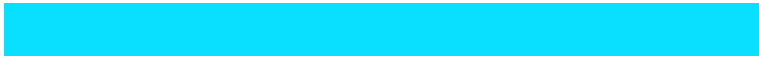
60.0470, 0.2137, 0.2881



60.0470, 0.2162, 0.2534

Triad

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



60.0470, 0.2137, 0.2881



60.0470, 0.3432, 0.2732



60.0470, 0.3829, 0.4256

Complementary

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



60.0470, 0.2137, 0.2881



22.8305, 0.6247, 0.3391

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.



60.0470, 0.4176, 0.3959



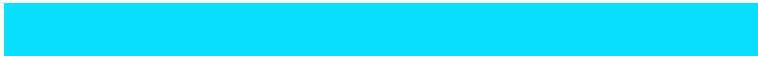
60.0470, 0.2137, 0.2881



60.0470, 0.3951, 0.3106

Square

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



60.0470, 0.2137, 0.2881



60.0470, 0.2865, 0.2483



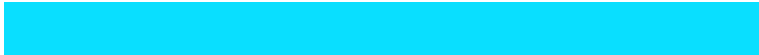
60.0470, 0.4230, 0.3540



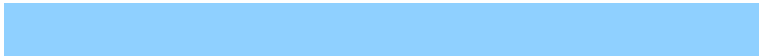
60.0470, 0.3311, 0.4285

Rectangle

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



60.0470, 0.2137, 0.2881



60.0470, 0.2305, 0.2425



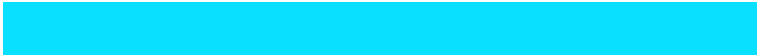
60.0470, 0.4230, 0.3540



60.0470, 0.3971, 0.4179

Sweetspot

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



60.0491, 0.2137, 0.2881



82.5977, 0.2695, 0.3185



71.7014, 0.2977, 0.5896



17.2261, 0.2637, 0.3167



0.0000, 0.0000, 0.0000



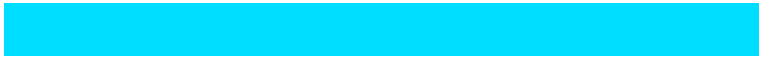
21.4041, 0.3127, 0.3290

Same Dimension

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



60.0491, 0.2137, 0.2881



59.4099, 0.2129, 0.2866



16.9792, 0.1684, 0.1243



20.0554, 0.2980, 0.3258



31.2001, 0.2132, 0.2873



3.1451, 0.2146, 0.2925

Inverse Universe

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



26.7707, 0.3560, 0.1744



26.5286, 0.3574, 0.1743



46.5989, 0.5044, 0.4358



18.2574, 0.3158, 0.3086



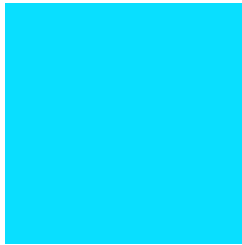
13.8776, 0.3567, 0.1739



1.3620, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 60.0470, 0.2137, 0.2881 looks on a white background.

Color Contrast Check

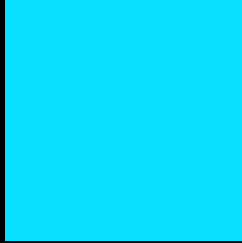
Large Text (above 18pt) WCAG AA × Fail

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 60.0470, 0.2137, 0.2881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

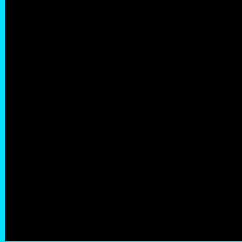
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.0470, 0.2137, 0.2881

Background



This preview shows how black text looks on a background with the Yxy color 60.0470, 0.2137, 0.2881.

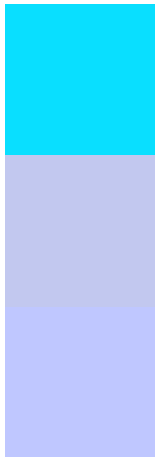


This preview shows how white text looks on a background with the Yxy color 60.0470, 0.2137, 0.2881.

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

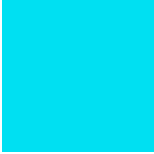
60.0534, 0.2137, 0.2881

Protanopia

59.0099, 0.2819, 0.2844

Deuteranopia

59.1432, 0.2701, 0.2665



Tritanopia

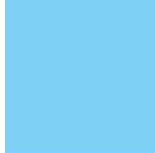
59.7221, 0.2181, 0.3052

Trichromacy



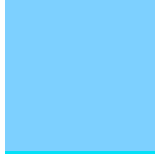
Original Color

60.0534, 0.2137, 0.2881



Protanomaly

56.2163, 0.2405, 0.2829



Deuteranomaly

56.6917, 0.2351, 0.2716



Tritanomaly

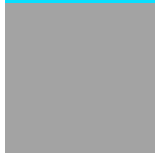
60.0461, 0.2165, 0.2990

Monochromacy



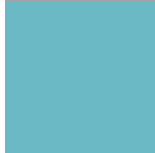
Original Color

60.0534, 0.2137, 0.2881



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

41.8092, 0.2496, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0470, 0.2137, 0.2881 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(9, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(9, 223, 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(9, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.0470, 0.2137, 0.2881 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(9, 223, 255) }
```

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

```
.border{ border-color:rgb(9, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(9, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0470, 0.2137, 0.2881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 223, 255) }
```

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

```
.background{ background-color: rgb(9, 223,  
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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