

# Converting Colors

$Y_{xy}(71.4173, 0.1839, 0.1805)$

Have a look what the booklet for  
Yxy(71.4173, 0.1839, 0.1805)  
contains.

<b>Yxy(60.1240, 0.2142, 0.2881)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(60.1240, 0.2142, 0.2881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13DFFF
RGB	19, 223, 255
RGB Percent	7%, 87%, 100%
CMY	0.9256, 0.1256, 0.0000
CMYK	0.93, 0.13, 0.00, 0.00
HSL	188°, 100%, 54%
HSV	188°, 93%, 100%
XYZ	44.7017, 60.1240, 103.8657
YIQ	165.6520, -131.8560, -33.2960

# Conversions

## Conversions Part 2

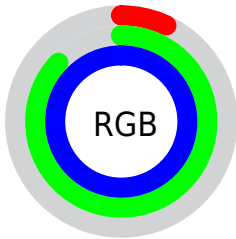
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 128, 255
Decimal	1302527
CIE <sub>Lab</sub>	81.91, -33.17, -28.08
CIE <sub>LCh</sub>	82, 43.459, 220.245
Yxy	60.1240, 0.2142, 0.2881
Android (android.graphics.Color)	4279492607 (0xFF13DFFF)
YUV	165.6520, 44.0486, -128.6138
Hunter-Lab	77.5397, -32.7890, -25.1422

# Details

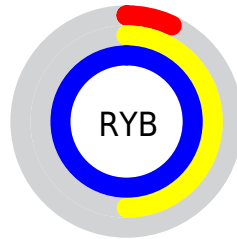
The Yxy color **60.1240, 0.2142, 0.2881** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **23.6742, 0.6151, 0.3423**, and the grayscale version is **37.7803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **31.7147, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **58.6219, 0.2124, 0.2846**, and if you desaturate by 10%, it is **62.4005, 0.2179, 0.2929**.

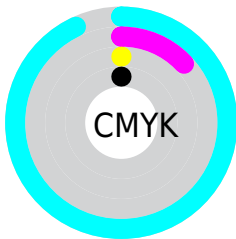
# Distribution



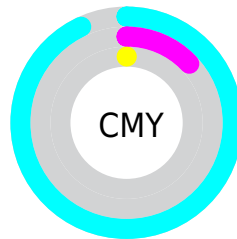
- Red (7%)
- Green (87%)
- Blue (100%)



- Red (7%)
- Yellow (50%)
- Blue (100%)



- Cyan (93%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (93%)
- Magenta (13%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1240, 0.2142, 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 60.1240, 0.2142, 0.2881 by changing the saturation by 10% instead.




 60.1240, 0.2142,  
0.2881


 60.1240, 0.2142,  
0.2881


425.0547, 0.2591,  
0.3091

 43.5186, 0.2043,  
0.2829


 105.0095, 0.2296,  
0.2957

 30.2922, 0.1922,  
0.2762


 134.0584, 0.2356,  
0.2986

 20.0605, 0.1773,  
0.2676


 168.0240, 0.2408,  
0.3010

 12.4390, 0.1585,  
0.2558

 207.2905, 0.2454,  
0.3031

 7.0434, 0.1344,  
0.2391

 252.2424, 0.2495,  
0.3049

 3.4893, 0.1032,  
0.2145

303.2642, 0.2530,

 1.3922, 0.0564,

0.3065

0.1772

360.7401, 0.2562,  
0.3078

■ 0.2110, 0.0000,  
0.0703

■ 0.0000, 0.0000,  
0.0000

■ 60.1240, 0.2142,  
0.2881

■ 60.1240, 0.2142,  
0.2881

■ 58.6219, 0.2124,  
0.2846

■ 62.4005, 0.2179,  
0.2929

■ 65.0608, 0.2235,  
0.2978

■ 68.1615, 0.2311,  
0.3026

■ 71.7481, 0.2406,  
0.3074

75.8600, 0.2519,  
0.3120

80.5326, 0.2646,  
0.3165

85.7977, 0.2785,  
0.3207

91.6849, 0.2933,  
0.3246

98.2214, 0.3087,  
0.3281

# Harmonies

## Analogous

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



60.1240, 0.2350, 0.3407



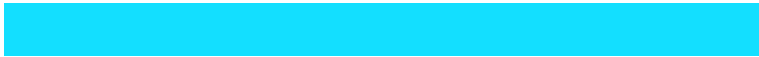
60.1240, 0.2142, 0.2881



60.1240, 0.2168, 0.2537

# Triad

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



60.1240, 0.2142, 0.2881



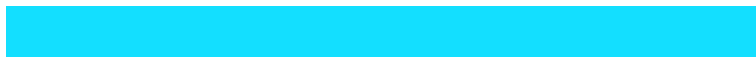
60.1240, 0.3434, 0.2737



60.1240, 0.3822, 0.4251

# Complementary

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



60.1240, 0.2142, 0.2881



23.6742, 0.6151, 0.3423

# 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.



60.1240, 0.4168, 0.3957



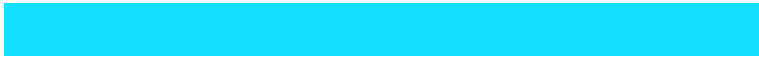
60.1240, 0.2142, 0.2881



60.1240, 0.3948, 0.3110

# Square

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



60.1240, 0.2142, 0.2881



60.1240, 0.2870, 0.2489



60.1240, 0.4224, 0.3542

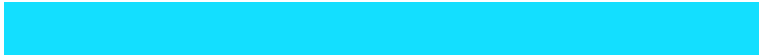


60.1240, 0.3307, 0.4277



# Rectangle

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



60.1240, 0.2142, 0.2881



60.1240, 0.2312, 0.2429



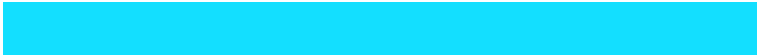
60.1240, 0.4224, 0.3542



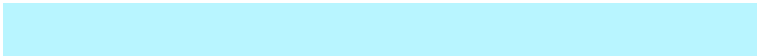
60.1240, 0.3963, 0.4175

# Sweetspot

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



60.1254, 0.2142, 0.2881



82.8565, 0.2708, 0.3184



71.8924, 0.2964, 0.5820



17.2630, 0.2649, 0.3166



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

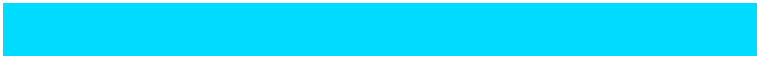


# Same Dimension

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



60.1254, 0.2142, 0.2881



58.6219, 0.2124, 0.2846



17.5678, 0.1700, 0.1275



20.0364, 0.2980, 0.3257



30.7939, 0.2126, 0.2854



3.1094, 0.2141, 0.2908



# Inverse Universe

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



27.0520, 0.3558, 0.1757



26.4491, 0.3593, 0.1753



49.4822, 0.4943, 0.4411



18.2555, 0.3159, 0.3087



13.8366, 0.3585, 0.1749

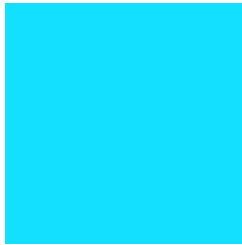


1.3584, 0.3536, 0.1721



# Previews

## White Background



This preview shows how the Yxy color 60.1240, 0.2142, 0.2881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

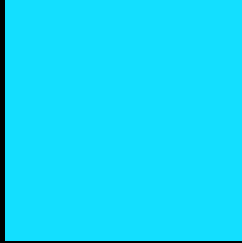
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1240, 0.2142, 0.2881 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

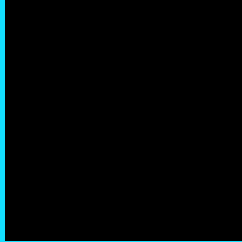
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.1240, 0.2142, 0.2881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1240, 0.2142, 0.2881.

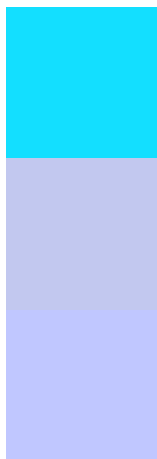


This preview shows how white text looks on a background with the Yxy color 60.1240, 0.2142, 0.2881.

# 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

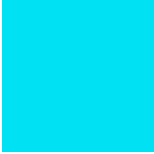
60.1338, 0.2142, 0.2881

### Protanopia

59.0099, 0.2819, 0.2844

### Deuteranopia

59.2733, 0.2708, 0.2666



## Tritanopia

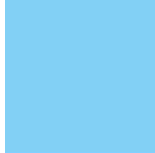
60.3215, 0.2181, 0.3053

# Trichromacy



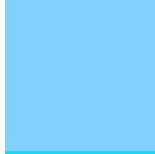
## Original Color

60.1338, 0.2142, 0.2881



## Protanomaly

56.4501, 0.2419, 0.2831



## Deuteranomaly

56.9989, 0.2369, 0.2719



## Tritanomaly

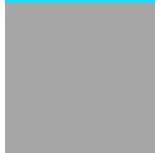
60.0719, 0.2167, 0.2990

# Monochromacy



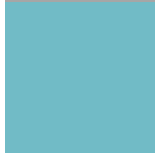
## Original Color

60.1338, 0.2142, 0.2881



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

43.1286, 0.2523, 0.3129

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1240, 0.2142, 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(19, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 223, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1240, 0.2142, 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(19, 223, 255) }
```

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

```
.border{ border-color:rgb(19, 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(19, 223, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(19, 223,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1240, 0.2142, 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(19, 223, 255) }
```

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

```
.background{ background-color: rgb(19, 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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