

Converting Colors

$Y_{xy}(60.0238, 0.2379, 0.3159)$

Have a look what the booklet for
Yxy(60.0238, 0.2379, 0.3159)
contains.

Yxy(60.0238, 0.2379, 0.3159)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.0238, 0.2379, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	61DDE7
RGB	97, 221, 231
RGB Percent	38%, 87%, 91%
CMY	0.6198, 0.1333, 0.0942
CMYK	0.58, 0.04, 0.00, 0.09
HSL	184°, 74%, 64%
HSV	184°, 58%, 91%
XYZ	45.2031, 60.0238, 84.7820
YIQ	185.0640, -77.1140, -23.1780

Conversions

Conversions Part 2

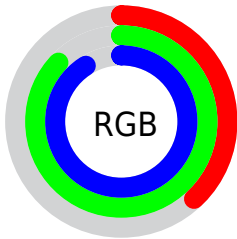
Format	Color
RYB	97, 161, 231
Decimal	6413799
CIELab	81.85, -31.49, -15.29
CIELCh	82, 35.004, 205.897
Yxy	60.0238, 0.2379, 0.3159
Android (android.graphics.Color)	4284603879 (0xFF61DDE7)
YUV	185.0640, 22.6464, -77.2321
Hunter-Lab	77.4750, -31.4348, -10.6493

Details

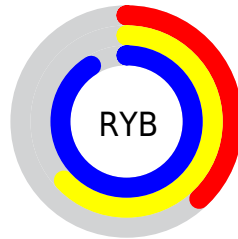
The Yxy color **60.0238, 0.2379, 0.3159** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3458, 0.4842, 0.3401**, and the grayscale version is **48.4521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1109, 0.2601, 0.3288**, and **30.0312, 0.2201, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **58.0353, 0.2302, 0.3133**, and if you desaturate by 10%, it is **62.3953, 0.2475, 0.3184**.

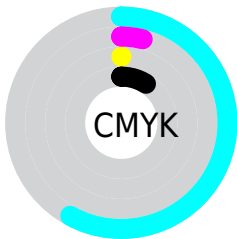
Distribution



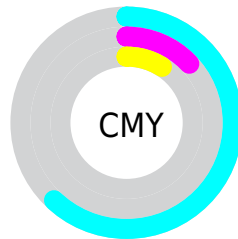
- Red (38%)
- Green (87%)
- Blue (91%)



- Red (38%)
- Yellow (63%)
- Blue (91%)



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)





- Cyan (62%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0238, 0.2379, 0.3159 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 60.0238, 0.2379, 0.3159 by changing the saturation by 10% instead.


 60.0238, 0.2379,
0.3159

 60.0238, 0.2379,
0.3159


424.6855, 0.2727,
0.3232


 43.4378, 0.2300,
0.3139


 104.8642, 0.2500,
0.3187


 30.2288, 0.2202,
0.3113


 133.8874, 0.2547,
0.3197

 20.0123, 0.2078,
0.3078


 167.8251, 0.2587,
0.3205

 12.4040, 0.1919,
0.3027

 207.0618, 0.2623,
0.3212

 7.0194, 0.1705,
0.2949

251.9817, 0.2653,
0.3218

 3.4743, 0.1408,
0.2819

302.9694, 0.2681,

 1.3841, 0.0900,

0.3223

0.2604

360.4092, 0.2705,
0.3228

■ 0.2049, 0.0000,
0.1335

■ 0.0000, 0.0000,
0.0000

■ 60.0238, 0.2379,
0.3159

■ 60.0238, 0.2379,
0.3159

■ 58.0353, 0.2302,
0.3133

■ 62.3953, 0.2475,
0.3184

■ 56.3899, 0.2245,
0.3108


■ 65.1721, 0.2587,
0.3209


■ 55.0509, 0.2207,
0.3083


■ 68.3827, 0.2715,
0.3232


■ 53.9639, 0.2185,
0.3058

■ 72.0512, 0.2855,
0.3254


 53.7623, 0.2181,
0.3053

 76.1998, 0.3003,
0.3275

 80.8491, 0.3158,
0.3294

 85.3213, 0.3291,
0.3311

 86.2981, 0.3289,
0.3328

 87.2844, 0.3287,
0.3345

Harmonies

Analogous

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



60.0238, 0.2643, 0.3604



60.0238, 0.2379, 0.3159



60.0238, 0.2304, 0.2797

Triad

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



60.0238, 0.2379, 0.3159



60.0238, 0.3157, 0.2721



60.0238, 0.3854, 0.3983

Complementary

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



60.0238, 0.2379, 0.3159



28.3458, 0.4842, 0.3401

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.



60.0238, 0.4023, 0.3693



60.0238, 0.2379, 0.3159



60.0238, 0.3608, 0.2990

Square

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



60.0238, 0.2379, 0.3159



60.0238, 0.2728, 0.2579



60.0238, 0.3934, 0.3335



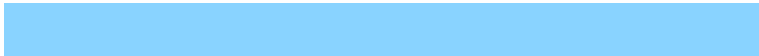
60.0238, 0.3492, 0.4104

Rectangle

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



60.0238, 0.2379, 0.3159



60.0238, 0.2364, 0.2645



60.0238, 0.3934, 0.3335



60.0238, 0.3936, 0.3900

Sweetspot

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



60.0261, 0.2379, 0.3159



90.6466, 0.2868, 0.3256



60.7134, 0.3002, 0.5050



19.1910, 0.2839, 0.3252



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.



60.0261, 0.2379, 0.3159



72.1229, 0.2287, 0.3127



31.7610, 0.2174, 0.2223



16.1434, 0.2982, 0.3272



30.2291, 0.2183, 0.3057



2.2888, 0.2193, 0.3093

Inverse Universe

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



30.7477, 0.3292, 0.2013



32.8929, 0.3330, 0.1830



47.6956, 0.4328, 0.4126



14.5958, 0.3149, 0.3075



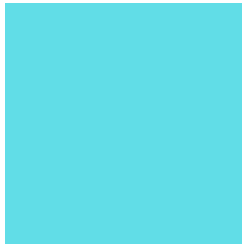
12.2494, 0.3405, 0.1649



0.9107, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 60.0238, 0.2379, 0.3159 looks on a white background.

Color Contrast Check

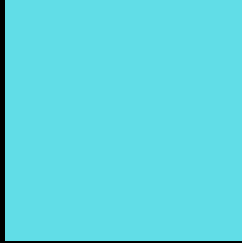
Large Text (above 18pt) WCAG AA × Fail

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 60.0238, 0.2379, 0.3159 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 60.0238, 0.2379, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 60.0238, 0.2379, 0.3159.

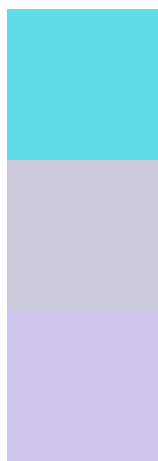


This preview shows how white text looks on a background with the Yxy color 60.0238, 0.2379, 0.3159.

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

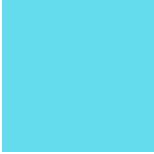
60.0238, 0.2379, 0.3159

Protanopia

59.2528, 0.3008, 0.3092

Deuteranopia

58.9678, 0.2915, 0.2851



Tritanopia

60.0688, 0.2357, 0.3059

Trichromacy



Original Color

60.0238, 0.2379, 0.3159



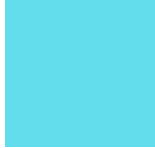
Protanomaly

58.2260, 0.2718, 0.3104



Deuteranomaly

58.1901, 0.2671, 0.2952



Tritanomaly

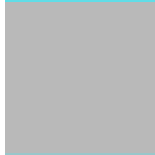
59.8372, 0.2366, 0.3095

Monochromacy



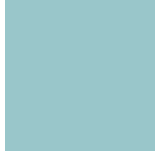
Original Color

60.0238, 0.2379, 0.3159



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

51.4247, 0.2768, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.0238, 0.2379, 0.3159 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(97, 221, 231)` looks like.

```
.text, #text, p{  
    color:rgb(97, 221, 231)  
}
```

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(97, 221, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 221, 231) }
```

Border

The CSS property to change the border of an element to Yxy 60.0238, 0.2379, 0.3159 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(97, 221, 231) }
```

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

```
.border{ border-color:rgb(97, 221, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 221, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 221, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 221, 231);  
box-shadow:4px 4px 4px 4px rgb(97, 221,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 60.0238, 0.2379, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 221, 231) }
```

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

```
.background{ background-color: rgb(97, 221,  
231) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor