

Converting Colors

$Y_{xy}(60.3069, 0.2535, 0.3216)$

Have a look what the booklet for
Yxy(60.3069, 0.2535, 0.3216)
contains.

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Color

Yxy(60.1138, 0.2534, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	80DAE0
RGB	128, 218, 224
RGB Percent	50%, 85%, 88%
CMY	0.4981, 0.1451, 0.1216
CMYK	0.43, 0.03, 0.00, 0.12
HSL	184°, 61%, 69%
HSV	184°, 43%, 88%
XYZ	47.4248, 60.1138, 79.6152
YIQ	191.7740, -55.5660, -17.2140

Conversions

Conversions Part 2

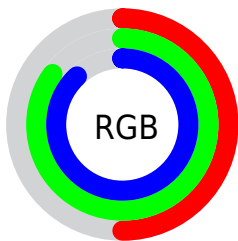
Format	Color
RYB	128, 174, 224
Decimal	8444640
CIELab	81.90, -25.41, -11.39
CIELCh	82, 27.843, 204.142
Yxy	60.1138, 0.2534, 0.3212
Android (android.graphics.Color)	4286634720 (0xFF80DAE0)
YUV	191.7740, 15.8874, -55.9298
Hunter-Lab	77.5331, -26.4996, -6.6091

Details

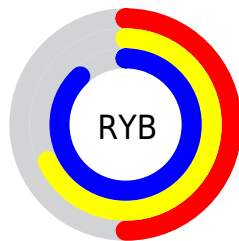
The Yxy color **60.1138, 0.2534, 0.3212** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.4452, 0.4215, 0.3364**, and the grayscale version is **52.5027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **30.3610, 0.2390, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **57.8462, 0.2431, 0.3191**, and if you desaturate by 10%, it is **62.7755, 0.2654, 0.3232**.

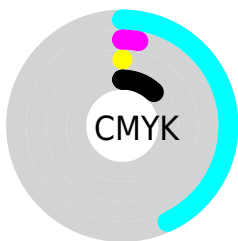
Distribution



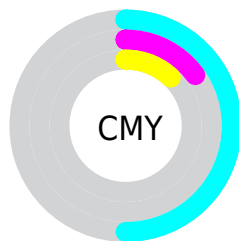
- Red (50%)
- Green (85%)
- Blue (88%)



- Red (50%)
- Yellow (68%)
- Blue (88%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)





- Cyan (50%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1138, 0.2534, 0.3212 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 60.1138, 0.2534, 0.3212 by changing the saturation by 10% instead.

 60.1138, 0.2534,
0.3212


 60.1138, 0.2534,
0.3212


425.0171, 0.2812,
0.3256

 43.5104, 0.2470,
0.3200


 104.9947, 0.2631,
0.3229

 30.2858, 0.2390,
0.3184


 134.0410, 0.2669,
0.3235

 20.0556, 0.2289,
0.3162


 168.0037, 0.2701,
0.3240

 12.4355, 0.2156,
0.3131

207.2672, 0.2729,
0.3244

 7.0410, 0.1975,
0.3081

252.2159, 0.2754,
0.3248

 3.4877, 0.1716,
0.2998

303.2342, 0.2776,

 1.3914, 0.1293,

0.3251

0.2846

360.7065, 0.2795,
0.3253

■ 0.2103, 0.0000,
0.1701

■ 0.0000, 0.0000,
0.0000

■ 60.1138, 0.2534,
0.3212

■ 60.1138, 0.2534,
0.3212

■ 57.8462, 0.2431,
0.3191

■ 62.7755, 0.2654,
0.3232

■ 55.9401, 0.2346,
0.3170


■ 65.8475, 0.2787,
0.3251

■ 54.3693, 0.2280,
0.3149


■ 69.3534, 0.2931,
0.3269


■ 53.1009, 0.2233,
0.3128

■ 73.3132, 0.3083,
0.3286

 52.0949, 0.2205,
0.3107


 77.7455, 0.3239,
0.3301

 51.4911, 0.2192,
0.3092

 81.2409, 0.3345,
0.3315

 82.0046, 0.3343,
0.3328

 82.7745, 0.3342,
0.3342

 83.5506, 0.3340,
0.3356

Harmonies

Analogous

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



60.1138, 0.2759, 0.3559



60.1138, 0.2534, 0.3212



60.1138, 0.2461, 0.2915

Triad

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



60.1138, 0.2534, 0.3212



60.1138, 0.3133, 0.2819



60.1138, 0.3722, 0.3838

Complementary

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



60.1138, 0.2534, 0.3212



34.4452, 0.4215, 0.3364

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.



60.1138, 0.3841, 0.3606



60.1138, 0.2534, 0.3212



60.1138, 0.3491, 0.3035

Square

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



60.1138, 0.2534, 0.3212



60.1138, 0.2792, 0.2712



60.1138, 0.3756, 0.3316



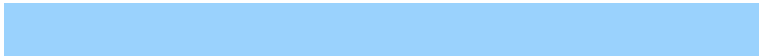
60.1138, 0.3443, 0.3932

Rectangle

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



60.1138, 0.2534, 0.3212



60.1138, 0.2504, 0.2783



60.1138, 0.3756, 0.3316



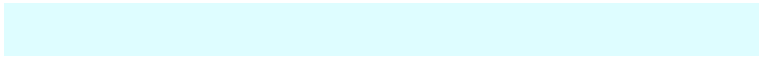
60.1138, 0.3782, 0.3772

Sweetspot

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



60.1161, 0.2534, 0.3212



92.9353, 0.2927, 0.3269



59.5809, 0.3039, 0.4553



19.6577, 0.2895, 0.3265



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.



60.1161, 0.2534, 0.3212



78.0353, 0.2445, 0.3194



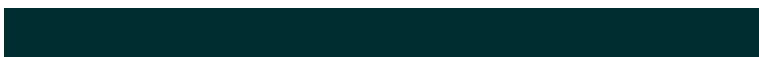
39.1664, 0.2427, 0.2573



15.4184, 0.2982, 0.3275



30.0387, 0.2193, 0.3095



2.1270, 0.2202, 0.3127

Inverse Universe

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



36.3430, 0.3233, 0.2299



42.6237, 0.3256, 0.2124



50.3653, 0.3965, 0.3907



13.9201, 0.3147, 0.3073



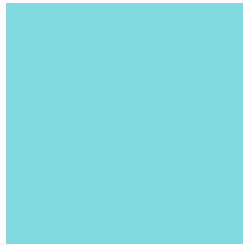
11.9405, 0.3371, 0.1631



0.8322, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 60.1138, 0.2534, 0.3212 looks on a white background.

Color Contrast Check

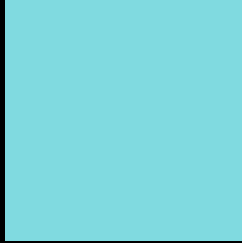
Large Text (above 18pt) WCAG AA × Fail

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 60.1138, 0.2534, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

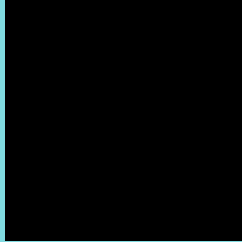
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.1138, 0.2534, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 60.1138, 0.2534, 0.3212.

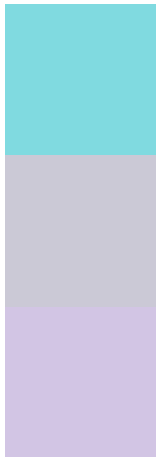


This preview shows how white text looks on a background with the Yxy color 60.1138, 0.2534, 0.3212.

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

60.1138, 0.2534, 0.3212

Protanopia

59.3248, 0.3050, 0.3139

Deuteranopia

59.2356, 0.3006, 0.2941



Tritanopia

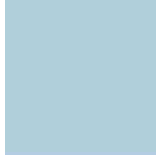
59.8775, 0.2495, 0.3063

Trichromacy



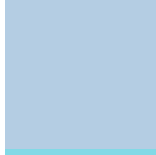
Original Color

60.1138, 0.2534, 0.3212



Protanomaly

58.9177, 0.2832, 0.3156



Deuteranomaly

58.9120, 0.2802, 0.3027



Tritanomaly

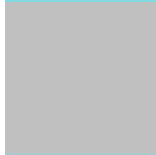
60.0847, 0.2512, 0.3125

Monochromacy



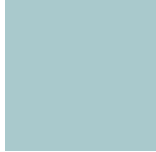
Original Color

60.1138, 0.2534, 0.3212



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.5679, 0.2869, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1138, 0.2534, 0.3212 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(128, 218, 224)` looks like.

```
.text, #text, p{  
    color:rgb(128, 218, 224)  
}
```

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(128, 218, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 218, 224) }
```

Border

The CSS property to change the border of an element to Yxy 60.1138, 0.2534, 0.3212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

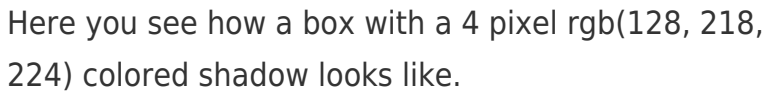
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 218, 224) }
```

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

```
.border{ border-color:rgb(128, 218, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 218, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 218, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 218, 224);  
box-shadow:4px 4px 4px 4px rgb(128, 218,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1138, 0.2534, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 218, 224) }
```

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

```
.background{ background-color: rgb(128,  
218, 224) }
```

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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