

Converting Colors

$Y_{xy}(50.8149, 0.2117, 0.2728)$

Have a look what the booklet for
Yxy(50.8149, 0.2117, 0.2728)
contains.

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Color

Yxy(50.7531, 0.2118, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	24CDF7
RGB	36, 205, 247
RGB Percent	14%, 80%, 97%
CMY	0.8569, 0.1961, 0.0313
CMYK	0.85, 0.17, 0.00, 0.03
HSL	192°, 93%, 56%
HSV	192°, 85%, 97%
XYZ	39.3611, 50.7531, 95.7266
YIQ	159.2570, -114.2060, -22.7660

Conversions

Conversions Part 2

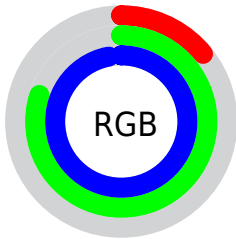
Format	Color
R _{YB}	36, 130, 247
Decimal	2412023
CIE _{Lab}	76.53, -26.14, -32.06
CIE _{LCh}	77, 41.371, 230.806
Yxy	50.7531, 0.2118, 0.2731
Android (android.graphics.Color)	4280602103 (0xFF24CDF7)
YUV	159.2570, 43.2573, -108.0964
Hunter-Lab	71.2412, -26.0501, -29.7989

Details

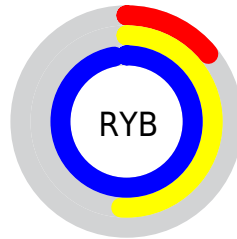
The Yxy color **50.7531, 0.2118, 0.2731** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **25.4307, 0.5812, 0.3566**, and the grayscale version is **34.6995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **25.8948, 0.2056, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **48.1254, 0.2077, 0.2658**, and if you desaturate by 10%, it is **53.7657, 0.2178, 0.2805**.

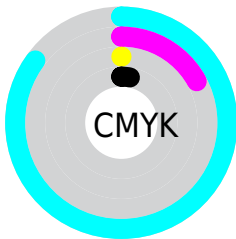
Distribution



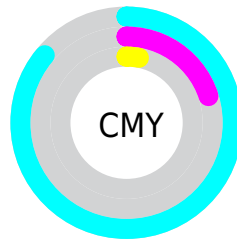
- Red (14%)
- Green (80%)
- Blue (97%)



- Red (14%)
- Yellow (51%)
- Blue (97%)



- Cyan (85%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)





- Cyan (86%)
- Magenta (20%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.7531, 0.2118, 0.2731 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 50.7531, 0.2118, 0.2731 by changing the saturation by 10% instead.


 50.7531, 0.2118,
0.2731


 50.7531, 0.2118,
0.2731


389.6038, 0.2590,
0.3016


 36.0122, 0.2011,
0.2660


 91.2897, 0.2282,
0.2835

 24.4436, 0.1880,
0.2570


 117.8542, 0.2345,
0.2874

 15.6630, 0.1716,
0.2452


 149.1286, 0.2400,
0.2907

 9.2860, 0.1508,
0.2293

 185.4973, 0.2448,
0.2935

 4.9282, 0.1240,
0.2070

 227.3448, 0.2490,
0.2959

 2.2052, 0.0892,
0.1742

275.0555, 0.2528,

 0.7228, 0.0087,

0.2981

0.1285

329.0137, 0.2561,
0.2999

■ 0.0000, 0.0000,
0.0000

■ 50.7531, 0.2118,
0.2731

■ 50.7531, 0.2118,
0.2731

■ 48.1254, 0.2077,
0.2658

■ 53.7657, 0.2178,
0.2805

■ 46.9658, 0.2062,
0.2624

■ 57.2125, 0.2258,
0.2878

■ 61.1398, 0.2357,
0.2951

■ 65.5857, 0.2472,
0.3021

■ 70.5842, 0.2603,
0.3088

■ 76.1660, 0.2744,
0.3151

■ 82.3594, 0.2893,
0.3210

■ 89.1907, 0.3046,
0.3264

■ 95.9549, 0.3177,
0.3313

Harmonies

Analogous

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



50.7531, 0.2245, 0.3207



50.7531, 0.2118, 0.2731



50.7531, 0.2226, 0.2462

Triad

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



50.7531, 0.2118, 0.2731



50.7531, 0.3635, 0.2855



50.7531, 0.3656, 0.4305

Complementary

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



50.7531, 0.2118, 0.2731



25.4307, 0.5812, 0.3566

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.



50.7531, 0.4081, 0.4087



50.7531, 0.2118, 0.2731



50.7531, 0.4088, 0.3258

Square

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



50.7531, 0.2118, 0.2731



50.7531, 0.3061, 0.2554



50.7531, 0.4251, 0.3696



50.7531, 0.3111, 0.4209

Rectangle

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



50.7531, 0.2118, 0.2731



50.7531, 0.2422, 0.2405



50.7531, 0.4251, 0.3696



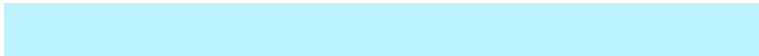
50.7531, 0.3818, 0.4261

Sweetspot

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



50.7549, 0.2118, 0.2731



81.3639, 0.2732, 0.3146



67.4225, 0.2927, 0.5594



16.9579, 0.2682, 0.3125



0.0000, 0.0000, 0.0000



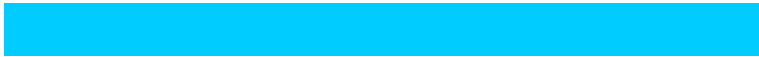
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7549, 0.2118, 0.2731



50.4483, 0.2062, 0.2623



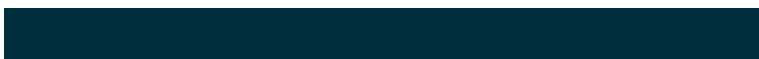
16.8326, 0.1732, 0.1302



18.1628, 0.2980, 0.3242



25.0418, 0.2066, 0.2636



2.3404, 0.2091, 0.2727

Inverse Universe

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



25.4754, 0.3691, 0.1880



25.6239, 0.3802, 0.1868



52.6905, 0.4718, 0.4513



16.7083, 0.3169, 0.3103



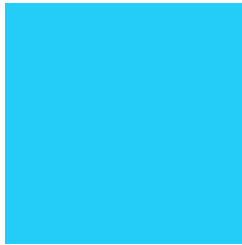
12.6274, 0.3789, 0.1861



1.1239, 0.3703, 0.1813

Previews

White Background



This preview shows how the Yxy color 50.7531, 0.2118, 0.2731 looks on a white background.

Color Contrast Check

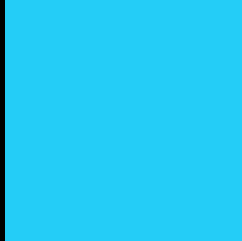
Large Text (above 18pt) WCAG AA × Fail

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 50.7531, 0.2118, 0.2731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

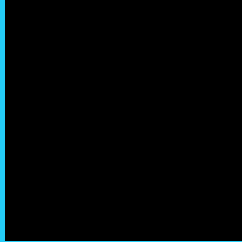
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.7531, 0.2118, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 50.7531, 0.2118, 0.2731.



This preview shows how white text looks on a background with the Yxy color 50.7531, 0.2118, 0.2731.

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

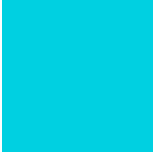
50.7531, 0.2118, 0.2731

Protanopia

49.8112, 0.2718, 0.2709

Deuteranopia

50.2722, 0.2564, 0.2503



Tritanopia

50.5480, 0.2180, 0.3049

Trichromacy



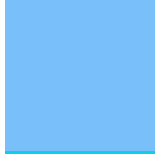
Original Color

50.7531, 0.2118, 0.2731



Protanomaly

48.2323, 0.2389, 0.2696



Deuteranomaly

48.6663, 0.2313, 0.2559



Tritanomaly

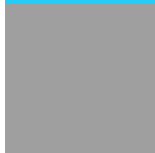
50.5944, 0.2154, 0.2930

Monochromacy



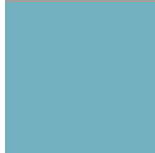
Original Color

50.7531, 0.2118, 0.2731



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.3897, 0.2544, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7531, 0.2118, 0.2731 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(36, 205, 247)` looks like.

```
.text, #text, p{  
    color:rgb(36, 205, 247)  
}
```

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(36, 205, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 205, 247) }
```

Border

The CSS property to change the border of an element to Yxy 50.7531, 0.2118, 0.2731 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(36, 205, 247) }
```

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

```
.border{ border-color:rgb(36, 205, 247) }
```

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

Here you see how a box with a 4 pixel rgb(36, 205, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 205, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 205, 247);  
box-shadow:4px 4px 4px 4px rgb(36, 205,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7531, 0.2118, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 205, 247) }
```

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

```
.background{ background-color: rgb(36, 205,  
247) }
```

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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