

# Converting Colors

$Y_{xy}(48.5371, 0.2124, 0.2742)$

Have a look what the booklet for  
Yxy(48.5371, 0.2124, 0.2742)  
contains.

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# Color

**Yxy(48.5362, 0.2126, 0.2747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	26C9F1
RGB	38, 201, 241
RGB Percent	15%, 79%, 95%
CMY	0.8504, 0.2118, 0.0550
CMYK	0.84, 0.17, 0.00, 0.05
HSL	192°, 88%, 55%
HSV	192°, 84%, 95%
XYZ	37.5639, 48.5362, 90.5879
YIQ	156.8230, -109.9880, -22.1160

# Conversions

## Conversions Part 2

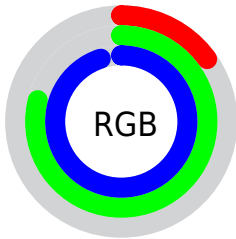
Format	Color
R <sub>Y</sub> B	38, 128, 241
Decimal	2542065
CIE Lab	75.16, -26.01, -30.93
CIE LCh	75, 40.413, 229.936
Yxy	48.5362, 0.2126, 0.2747
Android (android.graphics.Color)	4280732145 (0xFF26C9F1)
YUV	156.8230, 41.4993, -104.2078
Hunter-Lab	69.6679, -25.6744, -28.3262

# Details

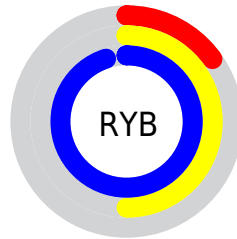
The Yxy color **48.5362, 0.2126, 0.2747** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **24.3055, 0.5777, 0.3568**, and the grayscale version is **33.5016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **24.3702, 0.2060, 0.2616** is the 20% darker color. If you saturate the color by 10%, you get **46.0362, 0.2083, 0.2675**, and if you desaturate by 10%, it is **51.4042, 0.2188, 0.2820**.

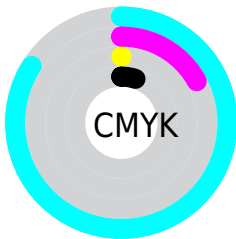
# Distribution



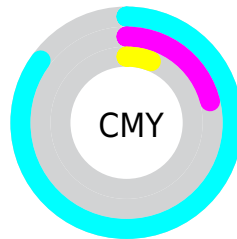
- Red (15%)
- Green (79%)
- Blue (95%)



- Red (15%)
- Yellow (50%)
- Blue (95%)



- Cyan (84%)
- Magenta (17%)
- Yellow (0%)
- Black (5%)




- Cyan (85%)
- Magenta (21%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.5362, 0.2126, 0.2747 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 48.5362, 0.2126, 0.2747 by changing the saturation by 10% instead.





 48.5362, 0.2126,  
0.2747


 48.5362, 0.2126,  
0.2747


380.9136, 0.2599,  
0.3027


 34.2517, 0.2018,  
0.2677


 88.0022, 0.2291,  
0.2849

 23.0870, 0.1885,  
0.2587


 113.9525, 0.2355,  
0.2888


 14.6578, 0.1718,  
0.2468


 144.5602, 0.2410,  
0.2920

 8.5796, 0.1505,  
0.2307

 180.2097, 0.2457,  
0.2948

 4.4680, 0.1227,  
0.2077

 221.2854, 0.2499,  
0.2971

 1.9386, 0.0865,  
0.1737

268.1717, 0.2536,

 0.5715, 0.0000,

0.2992

0.1205

321.2530, 0.2569,  
0.3010

■ 0.0000, 0.0000,  
0.0000

■ 48.5362, 0.2126,  
0.2747

■ 48.5362, 0.2126,  
0.2747

■ 46.0362, 0.2083,  
0.2675

■ 51.4042, 0.2188,  
0.2820

■ 44.7015, 0.2065,  
0.2634

■ 54.6850, 0.2269,  
0.2892

■ 58.4215, 0.2370,  
0.2963

■ 62.6489, 0.2487,  
0.3032

■ 67.3990, 0.2618,  
0.3098

■ 72.7003, 0.2760,  
0.3160

■ 78.5792, 0.2909,  
0.3217

■ 85.0601, 0.3063,  
0.3270

■ 92.1590, 0.3217,  
0.3317

# Harmonies

## Analogous

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



48.5362, 0.2259, 0.3224



48.5362, 0.2126, 0.2747



48.5362, 0.2226, 0.2473

# Triad

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



48.5362, 0.2126, 0.2747



48.5362, 0.3615, 0.2848



48.5362, 0.3667, 0.4294

# Complementary

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



48.5362, 0.2126, 0.2747



24.3055, 0.5777, 0.3568

# 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.



48.5362, 0.4082, 0.4071



48.5362, 0.2126, 0.2747



48.5362, 0.4070, 0.3246

# Square

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



48.5362, 0.2126, 0.2747



48.5362, 0.3046, 0.2553



48.5362, 0.4241, 0.3682



48.5362, 0.3128, 0.4209



# Rectangle

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



48.5362, 0.2126, 0.2747



48.5362, 0.2417, 0.2412



48.5362, 0.4241, 0.3682



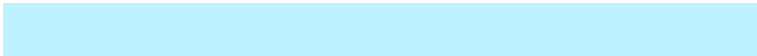
48.5362, 0.3826, 0.4248

# Sweetspot

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



48.5379, 0.2126, 0.2747



82.0921, 0.2747, 0.3154



63.8242, 0.2926, 0.5568



17.1051, 0.2696, 0.3133



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

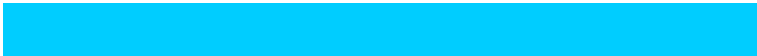


# Same Dimension

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



48.5379, 0.2126, 0.2747



50.7577, 0.2064, 0.2632



16.3430, 0.1745, 0.1328



17.3686, 0.2981, 0.3242



24.4397, 0.2068, 0.2645



2.1665, 0.2094, 0.2740



# Inverse Universe

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



24.3100, 0.3675, 0.1881



25.6552, 0.3794, 0.1863



50.1834, 0.4700, 0.4511



15.9749, 0.3168, 0.3102



12.2606, 0.3780, 0.1856

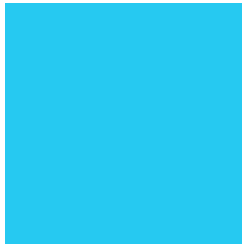


1.0334, 0.3691, 0.1807



# Previews

## White Background



This preview shows how the Yxy color 48.5362, 0.2126, 0.2747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

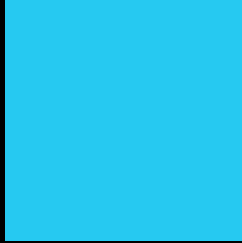
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.5362, 0.2126, 0.2747 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 48.5362, 0.2126, 0.2747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.5362, 0.2126, 0.2747.



This preview shows how white text looks on a background with the Yxy color 48.5362, 0.2126, 0.2747.

# 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

48.5362, 0.2126, 0.2747

### Protanopia

47.8862, 0.2731, 0.2735

### Deuteranopia

47.9171, 0.2572, 0.2511



## Tritanopia

48.4062, 0.2179, 0.3045

# Trichromacy



## Original Color

48.5362, 0.2126, 0.2747



## Protanomaly

46.5065, 0.2406, 0.2724



## Deuteranomaly

46.4912, 0.2325, 0.2570



## Tritanomaly

48.4067, 0.2156, 0.2937

# Monochromacy



## Original Color

48.5362, 0.2126, 0.2747



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

37.0954, 0.2555, 0.3062

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.5362, 0.2126, 0.2747 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(38, 201, 241)` looks like.

```
.text, #text, p{  
  color:rgb(38, 201, 241)  
}
```

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(38, 201, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 201, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 48.5362, 0.2126, 0.2747 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(38, 201, 241) }
```

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

```
.border{ border-color:rgb(38, 201, 241) }
```

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

Here you see how a box with a 4 pixel rgb(38, 201, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 201, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 201, 241);  
box-shadow:4px 4px 4px 4px rgb(38, 201,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.5362, 0.2126, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 201, 241) }
```

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

```
.background{ background-color: rgb(38, 201,  
241) }
```

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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