

# Converting Colors

$Y_{xy}(47.4308, 0.2050, 0.2528)$

Have a look what the booklet for  
Yxy(47.4308, 0.2050, 0.2528)  
contains.

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# Color

**Yxy(47.3721, 0.2050, 0.2526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AC5FF
RGB	26, 197, 255
RGB Percent	10%, 77%, 100%
CMY	0.8971, 0.2275, 0.0000
CMYK	0.90, 0.23, 0.00, 0.00
HSL	195°, 100%, 55%
HSV	195°, 90%, 100%
XYZ	38.4453, 47.3721, 101.7206
YIQ	152.4830, -120.5340, -18.2140

# Conversions

## Conversions Part 2

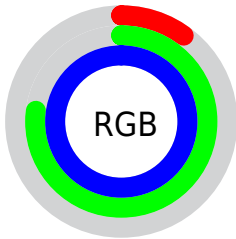
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	26, 124, 255
Decimal	1754623
CIE Lab	74.43, -20.00, -39.61
CIE LCh	74, 44.368, 243.211
Yxy	47.3721, 0.2050, 0.2526
Android (android.graphics.Color)	4279944703 (0xFF1AC5FF)
YUV	152.4830, 50.5409, -110.9256
Hunter-Lab	68.8274, -20.7422, -39.4460

# Details

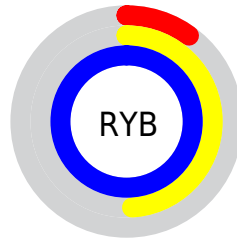
The Yxy color **47.3721, 0.2050, 0.2526** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.7116, 0.5846, 0.3631**, and the grayscale version is **31.4661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0256, 0.2441, 0.3276**, and **23.7221, 0.1988, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **44.2824, 0.2009, 0.2432**, and if you desaturate by 10%, it is **50.8733, 0.2109, 0.2622**.

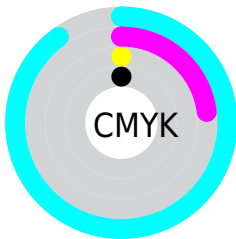
# Distribution



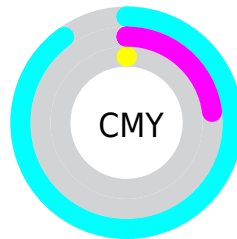
- Red (10%)
- Green (77%)
- Blue (100%)



- Red (10%)
- Yellow (49%)
- Blue (100%)



- Cyan (90%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (90%)
- Magenta (23%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3721, 0.2050, 0.2526 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 47.3721, 0.2050, 0.2526 by changing the saturation by 10% instead.




 47.3721, 0.2050,  
0.2526


 47.3721, 0.2050,  
0.2526


 376.2979, 0.2556,  
0.2908

 33.3299, 0.1936,  
0.2434


 86.2688, 0.2225,  
0.2663


 22.3793, 0.1796,  
0.2318


 111.8921, 0.2294,  
0.2715

 14.1359, 0.1622,  
0.2169


 142.1445, 0.2353,  
0.2759

 8.2152, 0.1404,  
0.1973

 177.4105, 0.2404,  
0.2797

 4.2330, 0.1125,  
0.1707

 218.0744, 0.2449,  
0.2831

 1.8047, 0.0775,  
0.1340

 264.5207, 0.2489,

 0.4901, 0.0000,

0.2860

0.0792

317.1337, 0.2524,  
0.2885

■ 0.0000, 0.0000,  
0.0000

■ 47.3721, 0.2050,  
0.2526

■ 47.3721, 0.2050,  
0.2526

■ 44.2824, 0.2009,  
0.2432

■ 50.8733, 0.2109,  
0.2622

■ 44.1968, 0.2008,  
0.2429

■ 54.8645, 0.2187,  
0.2718

■ 59.4004, 0.2286,  
0.2813

■ 64.5260, 0.2401,  
0.2905

■ 70.2805, 0.2532,  
0.2994

■ 76.6993, 0.2673,  
0.3078

■ 83.8150, 0.2823,  
0.3155

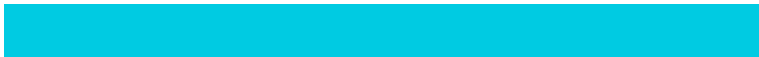
■ 91.6573, 0.2976,  
0.3227

■ 99.9997, 0.3127,  
0.3290

# Harmonies

## Analogous

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



47.3721, 0.2079, 0.2954



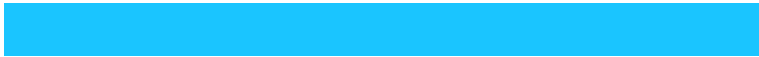
47.3721, 0.2050, 0.2526



47.3721, 0.2266, 0.2340

# Triad

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



47.3721, 0.2050, 0.2526



47.3721, 0.3918, 0.2985



47.3721, 0.3459, 0.4415

# Complementary

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



47.3721, 0.2050, 0.2526



27.7116, 0.5846, 0.3631

# 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.



47.3721, 0.3999, 0.4288



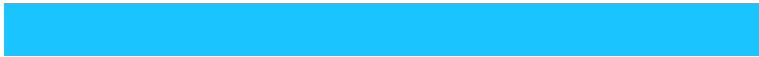
47.3721, 0.2050, 0.2526



47.3721, 0.4301, 0.3444

# Square

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



47.3721, 0.2050, 0.2526



47.3721, 0.3314, 0.2608



47.3721, 0.4320, 0.3912



47.3721, 0.2859, 0.4149



# Rectangle

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



47.3721, 0.2050, 0.2526



47.3721, 0.2539, 0.2342



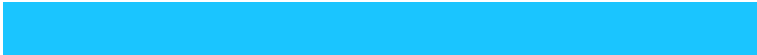
47.3721, 0.4320, 0.3912



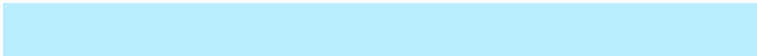
47.3721, 0.3654, 0.4412

# Sweetspot

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



47.3737, 0.2050, 0.2526



78.5620, 0.2713, 0.3099



72.3711, 0.2897, 0.5550



16.3161, 0.2663, 0.3072



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

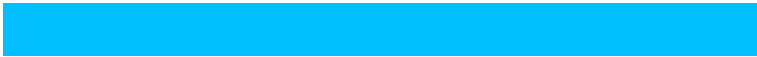


# Same Dimension

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



47.3737, 0.2050, 0.2526



44.1985, 0.2008, 0.2429



13.6941, 0.1644, 0.1042



19.6557, 0.2980, 0.3228



23.3462, 0.2013, 0.2445



2.4476, 0.2042, 0.2553



# Inverse Universe

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



26.0395, 0.3891, 0.1960



24.9930, 0.3993, 0.1974



61.6340, 0.4635, 0.4639



18.2171, 0.3177, 0.3114



13.0848, 0.3978, 0.1965

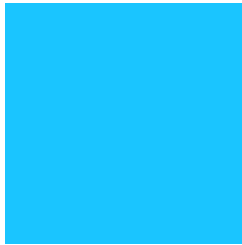


1.2916, 0.3870, 0.1906



# Previews

## White Background



This preview shows how the Yxy color 47.3721, 0.2050, 0.2526 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

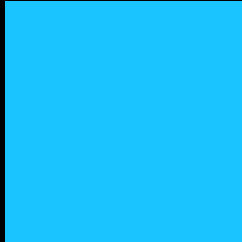
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.3721, 0.2050, 0.2526 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

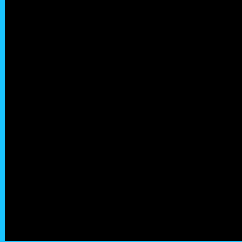
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

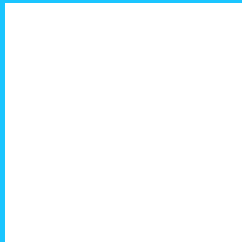
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.3721, 0.2050, 0.2526**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.3721, 0.2050, 0.2526.



This preview shows how white text looks on a background with the Yxy color 47.3721, 0.2050, 0.2526.

# 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

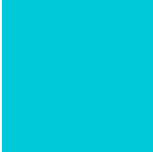
47.3721, 0.2050, 0.2526

### Protanopia

46.4836, 0.2578, 0.2533

### Deuteranopia

46.7325, 0.2439, 0.2390



## **Tritanopia**

47.3030, 0.2182, 0.3057

# Trichromacy



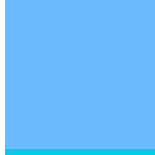
## Original Color

47.3721, 0.2050, 0.2526



## Protanomaly

45.3490, 0.2282, 0.2516



## Deuteranomaly

45.5260, 0.2217, 0.2415



## Tritanomaly

47.1426, 0.2131, 0.2854

# Monochromacy



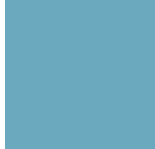
## Original Color

47.3721, 0.2050, 0.2526



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

35.2194, 0.2489, 0.2967

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3721, 0.2050, 0.2526 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(26, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 197, 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(26, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 197, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3721, 0.2050, 0.2526 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(26, 197, 255) }
```

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

```
.border{ border-color:rgb(26, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 197,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3721, 0.2050, 0.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 197, 255) }
```

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

```
.background{ background-color: rgb(26, 197,  
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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