

Converting Colors

$Y_{xy}(47.2110, 0.2154, 0.2780)$

Have a look what the booklet for
Yxy(47.2110, 0.2154, 0.2780)
contains.

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Color

Yxy(47.0393, 0.2154, 0.2779)

Conversions

Conversions Part 1

Format	Color
Hex	31C6EB
RGB	49, 198, 235
RGB Percent	19%, 78%, 92%
CMY	0.8075, 0.2235, 0.0784
CMYK	0.79, 0.16, 0.00, 0.08
HSL	192°, 82%, 56%
HSV	192°, 79%, 92%
XYZ	36.4601, 47.0393, 85.7676
YIQ	157.6670, -100.6810, -20.0810

Conversions

Conversions Part 2

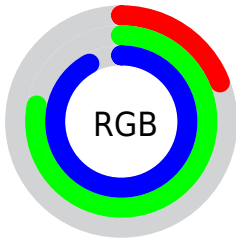
Format	Color
R_{YB}	49, 132, 235
Decimal	3262187
CIE _{Lab}	74.21, -25.56, -29.16
CIE _{LCh}	74, 38.779, 228.769
Yxy	47.0393, 0.2154, 0.2779
Android (android.graphics.Color)	4281452267 (0xFF31C6EB)
YUV	157.6670, 38.1252, -95.3010
Hunter-Lab	68.5852, -25.1329, -26.1341

Details

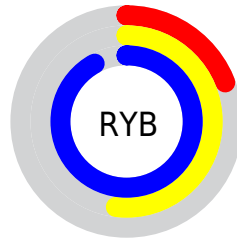
The Yxy color **47.0393, 0.2154, 0.2779** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **24.5584, 0.5582, 0.3593**, and the grayscale version is **33.9025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **23.2012, 0.2070, 0.2652** is the 20% darker color. If you saturate the color by 10%, you get **44.4940, 0.2101, 0.2706**, and if you desaturate by 10%, it is **49.9584, 0.2226, 0.2852**.

Distribution



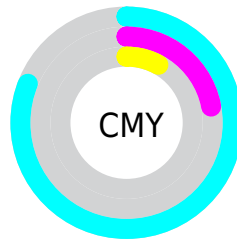
- Red (19%)
- Green (78%)
- Blue (92%)



- Red (19%)
- Yellow (52%)
- Blue (92%)



- Cyan (79%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)





- Cyan (81%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0393, 0.2154, 0.2779 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 47.0393, 0.2154, 0.2779 by changing the saturation by 10% instead.


 47.0393, 0.2154,
0.2779


 47.0393, 0.2154,
0.2779

374.9714, 0.2617,
0.3044

 33.0667, 0.2047,
0.2711


 85.7723, 0.2316,
0.2877

 22.1776, 0.1915,
0.2625


 111.3015, 0.2379,
0.2913


 13.9874, 0.1748,
0.2510

 141.4517, 0.2433,
0.2944

 8.1119, 0.1533,
0.2351

 176.6073, 0.2479,
0.2970

 4.1666, 0.1250,
0.2123

 217.1526, 0.2520,
0.2992

 1.7672, 0.0877,
0.1778

263.4722, 0.2556,

 0.4666, 0.0000,

0.3012

0.1156

315.9503, 0.2589,
0.3029

0.0000, 0.0000,
0.0000

47.0393, 0.2154,
0.2779

47.0393, 0.2154,
0.2779

44.4940, 0.2101,
0.2706

49.9584, 0.2226,
0.2852

42.2527, 0.2066,
0.2634

53.2884, 0.2318,
0.2925

42.0626, 0.2063,
0.2628

57.0666, 0.2427,
0.2996

61.3244, 0.2552,
0.3064

66.0900, 0.2689,
0.3128

71.3892, 0.2835,
0.3188

77.2458, 0.2986,
0.3244

83.6823, 0.3141,
0.3294

89.6437, 0.3258,
0.3340

Harmonies

Analogous

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



47.0393, 0.2293, 0.3249



47.0393, 0.2154, 0.2779



47.0393, 0.2243, 0.2503

Triad

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



47.0393, 0.2154, 0.2779



47.0393, 0.3580, 0.2847



47.0393, 0.3672, 0.4260

Complementary

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



47.0393, 0.2154, 0.2779



24.5584, 0.5582, 0.3593

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.



47.0393, 0.4066, 0.4038



47.0393, 0.2154, 0.2779



47.0393, 0.4028, 0.3233

Square

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



47.0393, 0.2154, 0.2779



47.0393, 0.3028, 0.2565



47.0393, 0.4207, 0.3657



47.0393, 0.3151, 0.4188

Rectangle

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



47.0393, 0.2154, 0.2779



47.0393, 0.2424, 0.2437



47.0393, 0.4207, 0.3657



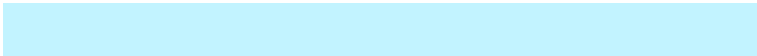
47.0393, 0.3824, 0.4213

Sweetspot

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



47.0410, 0.2154, 0.2779



82.6536, 0.2761, 0.3159



60.7087, 0.2920, 0.5446



17.2117, 0.2709, 0.3137



0.0000, 0.0000, 0.0000



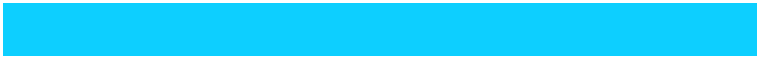
21.4041, 0.3127, 0.3290

Same Dimension

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



47.0410, 0.2154, 0.2779



51.8176, 0.2078, 0.2661



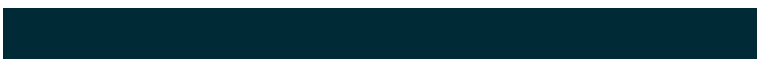
17.3700, 0.1805, 0.1450



16.5827, 0.2981, 0.3242



23.5902, 0.2067, 0.2639



1.9818, 0.2094, 0.2739

Inverse Universe

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



23.9452, 0.3640, 0.1913



26.0352, 0.3764, 0.1863



48.9915, 0.4618, 0.4491



15.2594, 0.3168, 0.3103



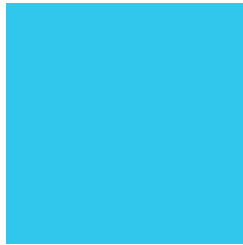
11.8743, 0.3786, 0.1859



0.9455, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 47.0393, 0.2154, 0.2779 looks on a white background.

Color Contrast Check

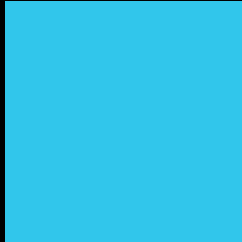
Large Text (above 18pt) WCAG AA × Fail

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 47.0393, 0.2154, 0.2779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

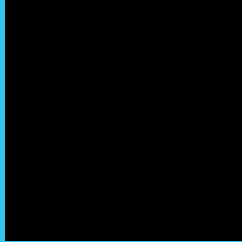
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0393, 0.2154, 0.2779

Background



This preview shows how black text looks on a background with the Yxy color 47.0393, 0.2154, 0.2779.



This preview shows how white text looks on a background with the Yxy color 47.0393, 0.2154, 0.2779.

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

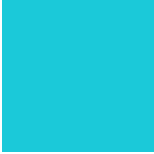
47.0393, 0.2154, 0.2779

Protanopia

46.1721, 0.2746, 0.2751

Deuteranopia

46.2883, 0.2609, 0.2546



Tritanopia

47.0161, 0.2202, 0.3057

Trichromacy



Original Color

47.0393, 0.2154, 0.2779



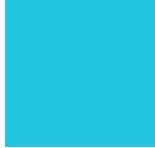
Protanomaly

45.1759, 0.2440, 0.2744



Deuteranomaly

45.1561, 0.2366, 0.2600



Tritanomaly

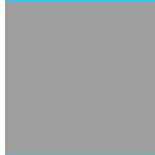
47.0477, 0.2180, 0.2948

Monochromacy



Original Color

47.0393, 0.2154, 0.2779



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.2839, 0.2594, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0393, 0.2154, 0.2779 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(49, 198, 235)` looks like.

```
.text, #text, p{  
    color:rgb(49, 198, 235)  
}
```

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(49, 198, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 198, 235) }
```

Border

The CSS property to change the border of an element to Yxy 47.0393, 0.2154, 0.2779 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(49, 198, 235) }
```

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

```
.border{ border-color:rgb(49, 198, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 198, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 198, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 198, 235);  
box-shadow:4px 4px 4px 4px rgb(49, 198,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0393, 0.2154, 0.2779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 198, 235) }
```

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

```
.background{ background-color: rgb(49, 198,  
235) }
```

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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