

Converting Colors

$Y_{xy}(75.5989, 0.2499, 0.4125)$

Have a look what the booklet for
Yxy(75.5989, 0.2499, 0.4125)
contains.

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Color

Yxy(75.6171, 0.2498, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	1FFFC0
RGB	31, 255, 192
RGB Percent	12%, 100%, 75%
CMY	0.8787, 0.0000, 0.2471
CMYK	0.88, 0.00, 0.25, 0.00
HSL	163°, 100%, 56%
HSV	163°, 88%, 100%
XYZ	45.8363, 75.6171, 62.0387
YIQ	180.8420, -113.2810, -67.0810

Conversions

Conversions Part 2

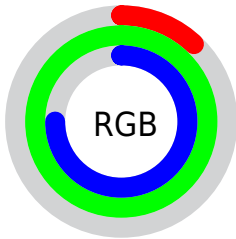
Format	Color
R_{YB}	31, 161, 255
Decimal	2097088
CIE _{Lab}	89.68, -63.43, 16.40
CIE _{LCh}	90, 65.512, 165.499
Yxy	75.6171, 0.2498, 0.4121
Android (android.graphics.Color)	4280287168 (0xFF1FFFC0)
YUV	180.8420, 5.5009, -131.4114
Hunter-Lab	86.9581, -58.0878, 18.5713

Details

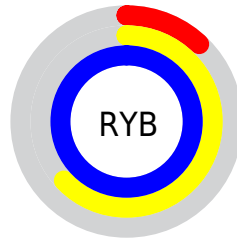
The Yxy color **75.6171, 0.2498, 0.4121** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.0445, 0.5502, 0.2898**, and the grayscale version is **46.1233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4349, 0.2482, 0.3369**, and **41.7675, 0.2528, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **75.0500, 0.2510, 0.4227**, and if you desaturate by 10%, it is **76.5044, 0.2505, 0.4013**.

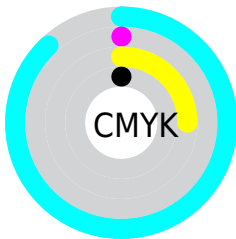
Distribution



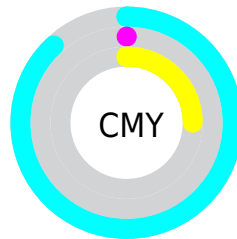
- Red (12%)
- Green (100%)
- Blue (75%)



- Red (12%)
- Yellow (63%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (88%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6171, 0.2498, 0.4121 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 75.6171, 0.2498, 0.4121 by changing the saturation by 10% instead.


 75.6171, 0.2498,
0.4121

 75.6171, 0.2498,
0.4121


480.0359, 0.2795,
0.3718


 56.1186, 0.2429,
0.4217


 127.1855, 0.2602,
0.3978


 40.2980, 0.2343,
0.4338


 160.0242, 0.2642,
0.3923

 27.7710, 0.2234,
0.4495


 198.0784, 0.2677,
0.3876

 18.1531, 0.2090,
0.4706

 241.7325, 0.2707,
0.3836

 11.0600, 0.1893,
0.5002

291.3709, 0.2733,
0.3801

 6.1072, 0.1612,
0.5445


347.3780, 0.2756,

 2.9104, 0.1116,


0.3770


0.6215


410.1383, 0.2777,
0.3743

 1.0851, 0.0000,
0.9818


 0.0000, 0.0000,
0.0000


 75.6171, 0.2498,
0.4121


 75.6171, 0.2498,
0.4121


 75.0500, 0.2510,
0.4227


 76.5044, 0.2505,
0.4013

 74.9506, 0.2514,
0.4250

 77.7835, 0.2531,
0.3906


 79.5029, 0.2578,
0.3800

 81.7050, 0.2644,
0.3697

 84.4270, 0.2725,
0.3599

 87.7025, 0.2820,
0.3508

 91.5622, 0.2925,
0.3423

 96.0346, 0.3036,
0.3346

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



75.6171, 0.3206, 0.4667



75.6171, 0.2498, 0.4121



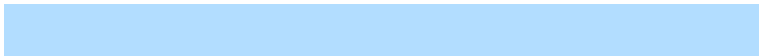
75.6171, 0.1998, 0.3288

Triad

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



75.6171, 0.2498, 0.4121



75.6171, 0.2254, 0.2118



75.6171, 0.4669, 0.3683

Complementary

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



75.6171, 0.2498, 0.4121



23.0445, 0.5502, 0.2898

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.



75.6171, 0.4374, 0.3118



75.6171, 0.2498, 0.4121



75.6171, 0.2888, 0.2267

Square

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



75.6171, 0.2498, 0.4121



75.6171, 0.1884, 0.2213



75.6171, 0.3683, 0.2621



75.6171, 0.4481, 0.4240

Rectangle

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



75.6171, 0.2498, 0.4121



75.6171, 0.1829, 0.2795



75.6171, 0.3683, 0.2621



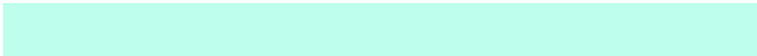
75.6171, 0.4626, 0.3491

Sweetspot

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



75.6155, 0.2498, 0.4121



88.3772, 0.2839, 0.3491



74.0209, 0.3174, 0.5777



18.6516, 0.2804, 0.3522



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.



75.6155, 0.2498, 0.4121



74.9506, 0.2514, 0.4250



51.8722, 0.2091, 0.2658



20.3892, 0.3018, 0.3358



39.1902, 0.2509, 0.4232



3.8345, 0.2475, 0.4111

Inverse Universe

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



23.0445, 0.5502, 0.2898



21.7242, 0.5875, 0.3010



27.0215, 0.5869, 0.3578



18.0710, 0.3250, 0.3223



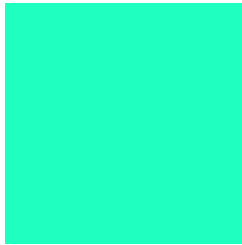
11.3732, 0.5834, 0.2987



1.1251, 0.5514, 0.2811

Previews

White Background



This preview shows how the Yxy color 75.6171, 0.2498, 0.4121 looks on a white background.

Color Contrast Check

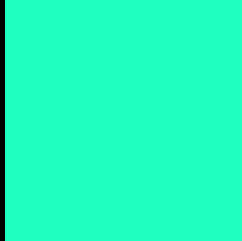
Large Text (above 18pt) WCAG AA × Fail

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 75.6171, 0.2498, 0.4121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

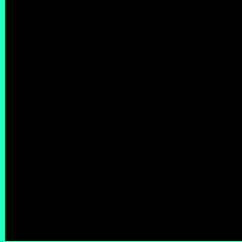
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

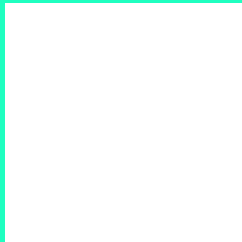
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6171, 0.2498, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 75.6171, 0.2498, 0.4121.



This preview shows how white text looks on a background with the Yxy color 75.6171, 0.2498, 0.4121.

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

75.6171, 0.2498, 0.4121

Protanopia

73.9542, 0.3544, 0.3784

Deuteranopia

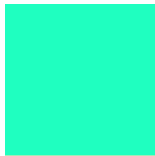
73.7006, 0.3512, 0.3435



Tritanopia

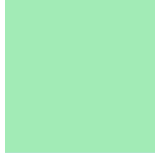
75.0291, 0.2486, 0.3116

Trichromacy



Original Color

75.6171, 0.2498, 0.4121



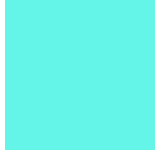
Protanomaly

70.4754, 0.2971, 0.3946



Deuteranomaly

69.4415, 0.2939, 0.3677



Tritanomaly

73.8403, 0.2450, 0.3448

Monochromacy



Original Color

75.6171, 0.2498, 0.4121



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.0502, 0.2715, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6171, 0.2498, 0.4121 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(31, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(31, 255, 192)  
}
```

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(31, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 255, 192) }
```

Border

The CSS property to change the border of an element to Yxy 75.6171, 0.2498, 0.4121 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(31, 255, 192) }
```

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

```
.border{ border-color:rgb(31, 255, 192) }
```

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

Here you see how a box with a 4 pixel rgb(31, 255, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(31, 255,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6171, 0.2498, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 255, 192) }
```

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

```
.background{ background-color: rgb(31, 255,  
192) }
```

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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