

Converting Colors

$Yxy(75.5216, 0.2477, 0.4093)$

Have a look what the booklet for
Yxy(75.5216, 0.2477, 0.4093)
contains.

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Color

Yxy(75.5166, 0.2478, 0.4095)

Conversions

Conversions Part 1

Format	Color
Hex	0FFFC2
RGB	15, 255, 194
RGB Percent	6%, 100%, 76%
CMY	0.9398, 0.0000, 0.2393
CMYK	0.94, 0.00, 0.24, 0.00
HSL	165°, 100%, 53%
HSV	165°, 94%, 100%
XYZ	45.6972, 75.5166, 63.1979
YIQ	176.2860, -123.4590, -69.8510

Conversions

Conversions Part 2

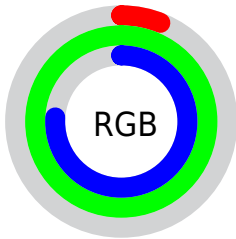
Format	Color
RYB	15, 152, 255
Decimal	1048514
CIELab	89.63, -63.62, 15.30
CIELCh	90, 65.434, 166.480
Yxy	75.5166, 0.2478, 0.4095
Android (android.graphics.Color)	4279238594 (0xFF0FFFC2)
YUV	176.2860, 8.7330, -141.4478
Hunter-Lab	86.9003, -58.2098, 17.7118

Details

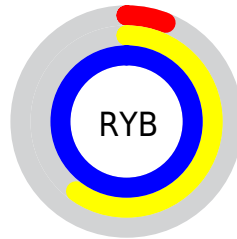
The Yxy color **75.5166, 0.2478, 0.4095** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **22.1387, 0.5791, 0.3000**, and the grayscale version is **43.6323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4070, 0.2459, 0.3334**, and **41.8260, 0.2518, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **75.2411, 0.2487, 0.4152**, and if you desaturate by 10%, it is **76.1810, 0.2475, 0.3999**.

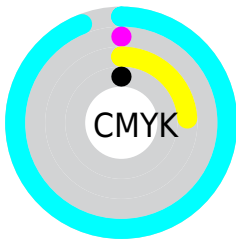
Distribution



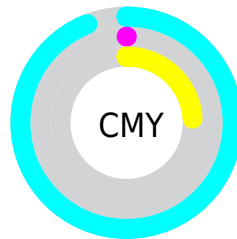
- Red (6%)
- Green (100%)
- Blue (76%)



- Red (6%)
- Yellow (60%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5166, 0.2478, 0.4095 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 75.5166, 0.2478, 0.4095 by changing the saturation by 10% instead.


 75.5166, 0.2478,
0.4095


 75.5166, 0.2478,
0.4095


479.6913, 0.2784,
0.3706

 56.0362, 0.2407,
0.4188


 127.0434, 0.2585,
0.3957

 40.2320, 0.2320,
0.4305


 159.8585, 0.2626,
0.3904


 27.7194, 0.2208,
0.4456


 197.8874, 0.2662,
0.3859

 18.1143, 0.2062,
0.4658

 241.5144, 0.2693,
0.3820

 11.0321, 0.1863,
0.4942

 291.1239, 0.2720,
0.3786

 6.0884, 0.1579,
0.5366


347.1003, 0.2743,

 2.8989, 0.1080,


0.3756

0.6104


409.8279, 0.2765,
0.3729


 1.0792, 0.0000,
0.9215


 0.0000, 0.0000,
0.0000


 75.5166, 0.2478,
0.4095


 75.5166, 0.2478,
0.4095


 75.2411, 0.2487,
0.4152

 76.1810, 0.2475,
0.3999

 77.1942, 0.2492,
0.3903

 78.6155, 0.2529,
0.3807

 80.4915, 0.2586,
0.3713

 82.8623, 0.2660,
0.3622

 85.7636, 0.2749,
0.3536

 89.2278, 0.2851,
0.3456

 93.2844, 0.2962,
0.3382

 97.9612, 0.3079,
0.3315

Harmonies

Analogous

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



75.5166, 0.3182, 0.4657



75.5166, 0.2478, 0.4095



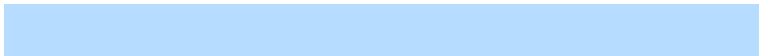
75.5166, 0.1987, 0.3262

Triad

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



75.5166, 0.2478, 0.4095



75.5166, 0.2271, 0.2120



75.5166, 0.4669, 0.3701

Complementary

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



75.5166, 0.2478, 0.4095



22.1387, 0.5791, 0.3000

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.



75.5166, 0.4391, 0.3136



75.5166, 0.2478, 0.4095



75.5166, 0.2913, 0.2276

Square

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



75.5166, 0.2478, 0.4095



75.5166, 0.1893, 0.2206



75.5166, 0.3709, 0.2636



75.5166, 0.4467, 0.4256

Rectangle

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



75.5166, 0.2478, 0.4095



75.5166, 0.1825, 0.2775



75.5166, 0.3709, 0.2636



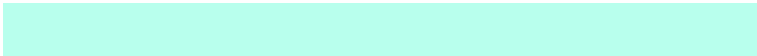
75.5166, 0.4631, 0.3510

Sweetspot

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



75.5190, 0.2478, 0.4095



87.7650, 0.2809, 0.3488



73.2290, 0.3131, 0.5865



18.4717, 0.2766, 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.



75.5190, 0.2478, 0.4095



75.2411, 0.2487, 0.4152



48.2095, 0.2050, 0.2554



20.3978, 0.3014, 0.3351



39.3406, 0.2482, 0.4136



3.8481, 0.2452, 0.4027

Inverse Universe

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



22.1387, 0.5791, 0.3000



21.6407, 0.5961, 0.3058



25.8367, 0.6006, 0.3559



18.0630, 0.3254, 0.3230



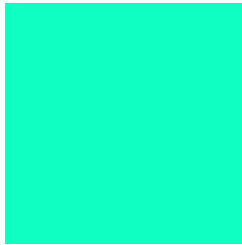
11.3280, 0.5921, 0.3036



1.1197, 0.5605, 0.2862

Previews

White Background



This preview shows how the Yxy color 75.5166, 0.2478, 0.4095 looks on a white background.

Color Contrast Check

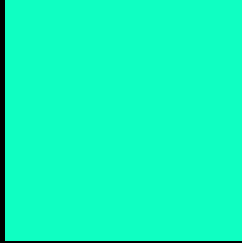
Large Text (above 18pt) WCAG AA × Fail

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 75.5166, 0.2478, 0.4095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

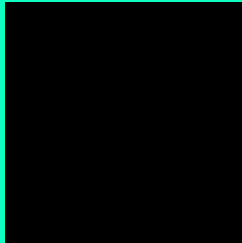
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.5166, 0.2478, 0.4095

Background



This preview shows how black text looks on a background with the Yxy color 75.5166, 0.2478, 0.4095.

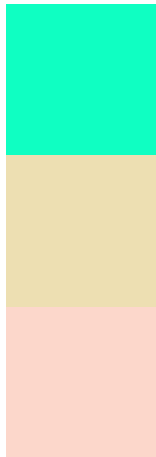


This preview shows how white text looks on a background with the Yxy color 75.5166, 0.2478, 0.4095.

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

75.5166, 0.2478, 0.4095

Protanopia

73.9942, 0.3537, 0.3773

Deuteranopia

73.6081, 0.3489, 0.3414



Tritanopia

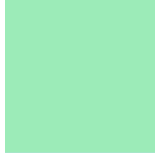
74.9434, 0.2481, 0.3115

Trichromacy



Original Color

75.5166, 0.2478, 0.4095



Protanomaly

69.9453, 0.2923, 0.3927



Deuteranomaly

68.8708, 0.2890, 0.3656



Tritanomaly

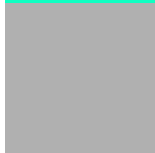
73.5152, 0.2425, 0.3436

Monochromacy



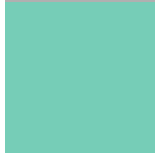
Original Color

75.5166, 0.2478, 0.4095



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

50.9331, 0.2676, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5166, 0.2478, 0.4095 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(15, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 194)  
}
```

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(15, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 75.5166, 0.2478, 0.4095 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(15, 255, 194) }
```

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

```
.border{ border-color:rgb(15, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(15, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5166, 0.2478, 0.4095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 194) }
```

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

```
.background{ background-color: rgb(15, 255,  
194) }
```

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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