

Converting Colors

$Y_{xy}(76.5537, 0.2382, 0.3769)$

Have a look what the booklet for
Yxy(76.5537, 0.2382, 0.3769)
contains.

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Color

Yxy(76.5556, 0.2384, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	04FFD9
RGB	4, 255, 217
RGB Percent	2%, 100%, 85%
CMY	0.9830, 0.0000, 0.1491
CMYK	0.98, 0.00, 0.15, 0.00
HSL	171°, 100%, 51%
HSV	171°, 98%, 100%
XYZ	48.3338, 76.5556, 77.8532
YIQ	175.6190, -137.3980, -65.0300

Conversions

Conversions Part 2

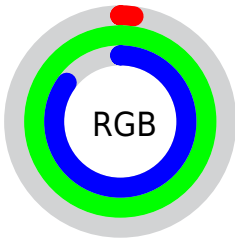
Format	Color
RYB	4, 140, 255
Decimal	327641
CIELab	90.12, -58.31, 4.12
CIELCh	90, 58.452, 175.960
Yxy	76.5556, 0.2384, 0.3776
Android (android.graphics.Color)	4278517721 (0xFF04FFD9)
YUV	175.6190, 20.4008, -150.5099
Hunter-Lab	87.4961, -54.5126, 8.4916

Details

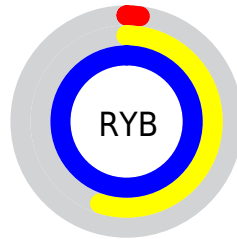
The Yxy color **76.5556, 0.2384, 0.3776** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.5241, 0.6187, 0.3193**, and the grayscale version is **43.2068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.5411, 0.2407, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **76.4940, 0.2385, 0.3785**, and if you desaturate by 10%, it is **77.0055, 0.2384, 0.3722**.

Distribution



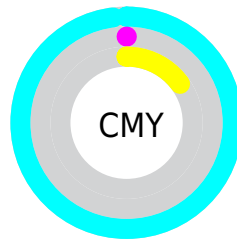
- Red (2%)
- Green (100%)
- Blue (85%)



- Red (2%)
- Yellow (55%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5556, 0.2384, 0.3776 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 76.5556, 0.2384, 0.3776 by changing the saturation by 10% instead.


 76.5556, 0.2384,
0.3776

 76.5556, 0.2384,
0.3776


483.2475, 0.2723,
0.3550

 56.8882, 0.2308,
0.3828


 128.5120, 0.2501,
0.3698


 40.9155, 0.2215,
0.3891


 161.5697, 0.2546,
0.3667

 28.2531, 0.2099,
0.3971

 199.8598, 0.2586,
0.3641

 18.5165, 0.1950,
0.4076

 243.7665, 0.2620,
0.3618

 11.3214, 0.1752,
0.4217

 293.6742, 0.2651,
0.3598

 6.2835, 0.1482,
0.4418


349.9673, 0.2678,


 3.0182, 0.1085,


0.3580


0.4725


413.0303, 0.2702,
0.3565


 1.1412, 0.0000,
0.5506


 0.0129, 0.0000,
1.0000


 76.5556, 0.2384,
0.3776


 76.5556, 0.2384,
0.3776

 76.4940, 0.2385,
0.3785

 77.0055, 0.2384,
0.3722

 77.7622, 0.2401,
0.3668

 78.8958, 0.2437,
0.3613

 80.4567, 0.2494,
0.3559

■ 82.4872, 0.2569,
0.3506

■ 85.0246, 0.2661,
0.3456

■ 88.1026, 0.2769,
0.3408

■ 91.7518, 0.2888,
0.3363

■ 96.0005, 0.3016,
0.3321

Harmonies

Analogous

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



76.5556, 0.2977, 0.4382



76.5556, 0.2384, 0.3776



76.5556, 0.2014, 0.3057

Triad

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



76.5556, 0.2384, 0.3776



76.5556, 0.2520, 0.2251



76.5556, 0.4494, 0.3843

Complementary

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



76.5556, 0.2384, 0.3776



21.5241, 0.6187, 0.3193

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.



76.5556, 0.4376, 0.3322



76.5556, 0.2384, 0.3776



76.5556, 0.3159, 0.2457

Square

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



76.5556, 0.2384, 0.3776



76.5556, 0.2092, 0.2262



76.5556, 0.3863, 0.2836



76.5556, 0.4207, 0.4309

Rectangle

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



76.5556, 0.2384, 0.3776



76.5556, 0.1921, 0.2671



76.5556, 0.3863, 0.2836



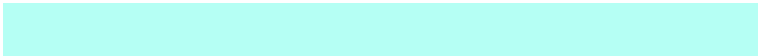
76.5556, 0.4503, 0.3670

Sweetspot

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



76.5562, 0.2384, 0.3776



87.8681, 0.2761, 0.3411



72.1131, 0.3048, 0.5954



18.5154, 0.2714, 0.3431



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.



76.5562, 0.2384, 0.3776



76.4940, 0.2385, 0.3785



36.5430, 0.1935, 0.2159



20.4313, 0.3000, 0.3326



39.9877, 0.2382, 0.3776



3.9057, 0.2365, 0.3714

Inverse Universe

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



21.5241, 0.6187, 0.3193



21.4044, 0.6224, 0.3202



28.2316, 0.5873, 0.3705



18.0320, 0.3270, 0.3254



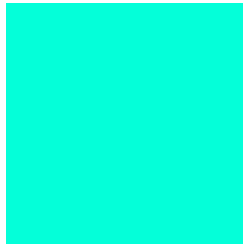
11.1976, 0.6194, 0.3186



1.1028, 0.5924, 0.3037

Previews

White Background



This preview shows how the Yxy color 76.5556, 0.2384, 0.3776 looks on a white background.

Color Contrast Check

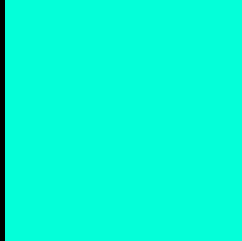
Large Text (above 18pt) WCAG AA × Fail

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 76.5556, 0.2384, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

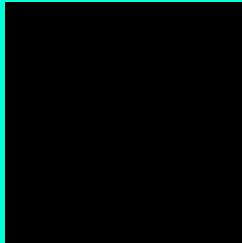
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5556, 0.2384, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 76.5556, 0.2384, 0.3776.

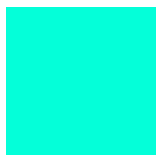


This preview shows how white text looks on a background with the Yxy color 76.5556, 0.2384, 0.3776.

Color Blindness Simulation

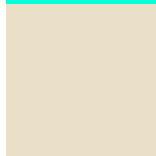
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



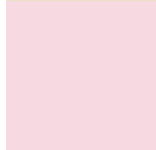
Original Color

76.5556, 0.2384, 0.3776



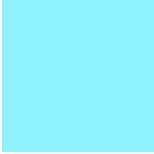
Protanopia

74.9739, 0.3360, 0.3547



Deuteranopia

74.6548, 0.3284, 0.3208



Tritanopia

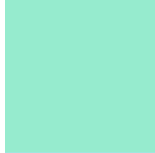
76.0599, 0.2509, 0.3128

Trichromacy



Original Color

76.5556, 0.2384, 0.3776



Protanomaly

70.3569, 0.2769, 0.3647



Deuteranomaly

69.6949, 0.2723, 0.3397



Tritanomaly

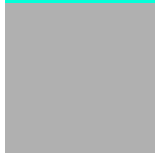
74.5896, 0.2395, 0.3349

Monochromacy



Original Color

76.5556, 0.2384, 0.3776



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

51.0016, 0.2609, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5556, 0.2384, 0.3776 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(4, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(4, 255, 217)  
}
```

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(4, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 76.5556, 0.2384, 0.3776 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(4, 255, 217) }
```

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

```
.border{ border-color:rgb(4, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(4, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(4, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5556, 0.2384, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 255, 217) }
```

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

```
.background{ background-color: rgb(4, 255,  
217) }
```

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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