

Converting Colors

$Yxy(77.6719, 0.2443, 0.3755)$

Have a look what the booklet for
Yxy(77.6719, 0.2443, 0.3755)
contains.

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Color

Yxy(77.6719, 0.2443, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	40FFDA
RGB	64, 255, 218
RGB Percent	25%, 100%, 85%
CMY	0.7485, 0.0000, 0.1452
CMYK	0.75, 0.00, 0.15, 0.00
HSL	168°, 100%, 63%
HSV	168°, 75%, 100%
XYZ	50.5333, 77.6719, 78.6441
YIQ	193.6730, -101.9590, -51.9990

Conversions

Conversions Part 2

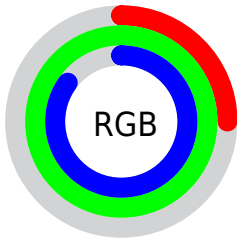
Format	Color
RYB	64, 170, 255
Decimal	4259802
CIELab	90.63, -54.55, 4.40
CIELCh	91, 54.732, 175.389
Yxy	77.6719, 0.2443, 0.3755
Android (android.graphics.Color)	4282449882 (0xFF40FFDA)
YUV	193.6730, 11.9932, -113.7232
Hunter-Lab	88.1317, -51.8814, 8.7849

Details

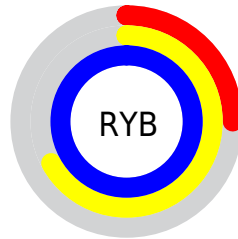
The Yxy color **77.6719, 0.2443, 0.3755** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.8850, 0.5267, 0.3000**, and the grayscale version is **53.7422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **42.5768, 0.2403, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **76.7495, 0.2423, 0.3826**, and if you desaturate by 10%, it is **78.9987, 0.2483, 0.3684**.

Distribution



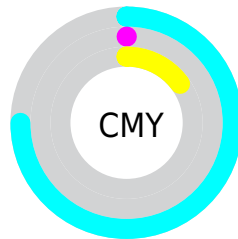
- Red (25%)
- Green (100%)
- Blue (85%)



- Red (25%)
- Yellow (67%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6719, 0.2443, 0.3755 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 77.6719, 0.2443, 0.3755 by changing the saturation by 10% instead.


 77.6719, 0.2443,
0.3755

 77.6719, 0.2443,
0.3755

487.0518, 0.2755,
0.3539

 57.8045, 0.2373,
0.3804


 130.0875, 0.2550,
0.3680


 41.6515, 0.2287,
0.3865


 163.4045, 0.2592,
0.3651

 28.8285, 0.2180,
0.3942


 201.9735, 0.2629,
0.3626

 18.9511, 0.2042,
0.4043

 246.1788, 0.2660,
0.3604

 11.6350, 0.1859,
0.4179

296.4049, 0.2688,
0.3585

 6.4956, 0.1607,
0.4372

353.0362, 0.2713,

 3.1487, 0.1243,

0.3568

416.4570, 0.2735,
0.3553

0.4666

1.2099, 0.0000,
0.5541

0.0697, 0.0000,
1.0000

77.6719, 0.2443,
0.3755

77.6719, 0.2443,
0.3755

76.7495, 0.2423,
0.3826

78.9987, 0.2483,
0.3684


76.1644, 0.2422,
0.3897


80.7679, 0.2543,
0.3614

75.9532, 0.2426,
0.3934

83.0232, 0.2621,
0.3546

85.8005, 0.2715,
0.3481

 89.1322, 0.2822,
0.3421

 93.0482, 0.2940,
0.3365

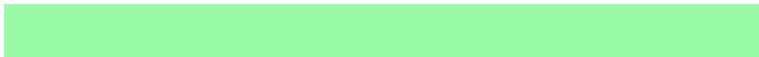
 97.5762, 0.3065,
0.3313

 99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



77.6719, 0.3004, 0.4306



77.6719, 0.2443, 0.3755



77.6719, 0.2087, 0.3089

Triad

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



77.6719, 0.2443, 0.3755



77.6719, 0.2550, 0.2310



77.6719, 0.4406, 0.3809

Complementary

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



77.6719, 0.2443, 0.3755



25.8850, 0.5267, 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.



77.6719, 0.4284, 0.3318



77.6719, 0.2443, 0.3755



77.6719, 0.3147, 0.2501

Square

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



77.6719, 0.2443, 0.3755



77.6719, 0.2149, 0.2327



77.6719, 0.3802, 0.2857



77.6719, 0.4150, 0.4243

Rectangle

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



77.6719, 0.2443, 0.3755



77.6719, 0.1993, 0.2725



77.6719, 0.3802, 0.2857



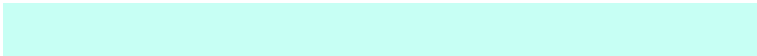
77.6719, 0.4410, 0.3647

Sweetspot

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



77.6749, 0.2443, 0.3755



90.1873, 0.2855, 0.3404



74.7340, 0.3149, 0.5577



19.0887, 0.2824, 0.3420



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.



77.6749, 0.2443, 0.3755



76.4106, 0.2420, 0.3863



48.5845, 0.2113, 0.2547



20.4175, 0.3006, 0.3336



39.7091, 0.2423, 0.3922



3.8811, 0.2400, 0.3841

Inverse Universe

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



25.8850, 0.5267, 0.3000



22.4192, 0.5850, 0.3071



35.4030, 0.5242, 0.3783



18.0446, 0.3264, 0.3244



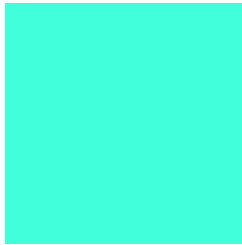
11.2430, 0.6096, 0.3132



1.1091, 0.5801, 0.2969

Previews

White Background



This preview shows how the Yxy color 77.6719, 0.2443, 0.3755 looks on a white background.

Color Contrast Check

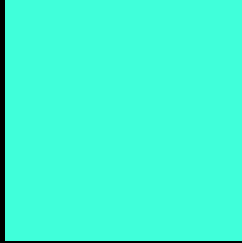
Large Text (above 18pt) WCAG AA × Fail

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 77.6719, 0.2443, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

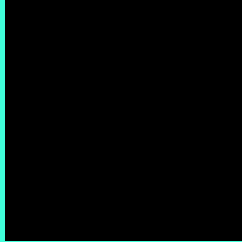
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

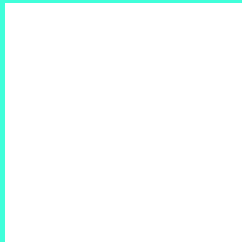
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6719, 0.2443, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 77.6719, 0.2443, 0.3755.



This preview shows how white text looks on a background with the Yxy color 77.6719, 0.2443, 0.3755.

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

77.6719, 0.2443, 0.3755

Protanopia

75.9476, 0.3359, 0.3535

Deuteranopia

76.1105, 0.3289, 0.3219



Tritanopia

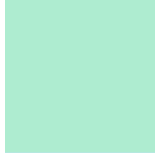
77.0006, 0.2554, 0.3130

Trichromacy



Original Color

77.6719, 0.2443, 0.3755



Protanomaly

73.5436, 0.2896, 0.3620



Deuteranomaly

72.8647, 0.2851, 0.3393



Tritanomaly

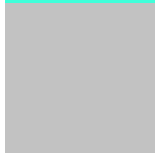
76.3873, 0.2483, 0.3336

Monochromacy



Original Color

77.6719, 0.2443, 0.3755



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.6266, 0.2746, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6719, 0.2443, 0.3755 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(64, 255, 218)` looks like.

```
.text, #text, p{  
  color:rgb(64, 255, 218)  
}
```

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(64, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 77.6719, 0.2443, 0.3755 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(64, 255, 218) }
```

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

```
.border{ border-color:rgb(64, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6719, 0.2443, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 218) }
```

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

```
.background{ background-color: rgb(64, 255,  
218) }
```

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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