

Converting Colors

$Y_{xy}(77.1833, 0.2491, 0.3902)$

Have a look what the booklet for
Yxy(77.1833, 0.2491, 0.3902)
contains.

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Color

Yxy(77.1832, 0.2491, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	42FFCF
RGB	66, 255, 207
RGB Percent	26%, 100%, 81%
CMY	0.7410, 0.0000, 0.1881
CMYK	0.74, 0.00, 0.19, 0.00
HSL	165°, 100%, 63%
HSV	165°, 74%, 100%
XYZ	49.2730, 77.1832, 71.3480
YIQ	193.0170, -97.2360, -54.9960

Conversions

Conversions Part 2

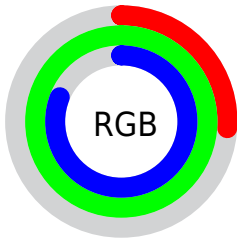
Format	Color
RYB	66, 174, 255
Decimal	4390863
CIELab	90.41, -56.98, 9.74
CIElCh	90, 57.811, 170.297
Yxy	77.1832, 0.2491, 0.3902
Android (android.graphics.Color)	4282580943 (0xFF42FFCF)
YUV	193.0170, 6.8936, -111.3939
Hunter-Lab	87.8540, -53.6325, 13.3472

Details

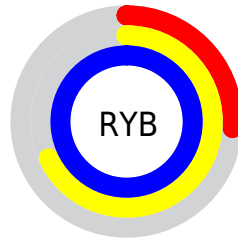
The Yxy color **77.1832, 0.2491, 0.3902** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.3759, 0.5070, 0.2893**, and the grayscale version is **53.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **42.2324, 0.2452, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **76.1780, 0.2475, 0.3998**, and if you desaturate by 10%, it is **78.6011, 0.2528, 0.3806**.

Distribution



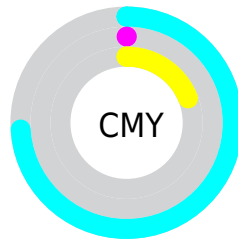
- Red (26%)
- Green (100%)
- Blue (81%)



- Red (26%)
- Yellow (68%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1832, 0.2491, 0.3902 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 77.1832, 0.2491, 0.3902 by changing the saturation by 10% instead.


 77.1832, 0.2491,
0.3902

 77.1832, 0.2491,
0.3902

485.3884, 0.2785,
0.3612

 57.4032, 0.2424,
0.3970


 129.3981, 0.2593,
0.3800


 41.3291, 0.2342,
0.4054


 162.6017, 0.2633,
0.3761

 28.5763, 0.2238,
0.4163


 201.0488, 0.2667,
0.3727

 18.7605, 0.2103,
0.4306

 245.1236, 0.2697,
0.3698

 11.4974, 0.1922,
0.4505

295.2106, 0.2723,
0.3672

 6.4024, 0.1667,
0.4796

351.6941, 0.2746,

 3.0913, 0.1287,

0.3650

414.9586, 0.2767,
0.3630

0.5260

1.1796, 0.0000,
0.6730

0.0449, 0.0000,
1.0000

77.1832, 0.2491,
0.3902

77.1832, 0.2491,
0.3902

76.1780, 0.2475,
0.3998

78.6011, 0.2528,
0.3806

75.5204, 0.2477,
0.4094

80.4704, 0.2584,
0.3712

75.2491, 0.2486,
0.4149

82.8340, 0.2658,
0.3622

85.7276, 0.2748,
0.3536

■ 89.1836, 0.2850,
0.3456

■ 93.2316, 0.2961,
0.3383

■ 97.8994, 0.3078,
0.3316

■ 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.



77.1832, 0.3104, 0.4435



77.1832, 0.2491, 0.3902



77.1832, 0.2077, 0.3187

Triad

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



77.1832, 0.2491, 0.3902



77.1832, 0.2429, 0.2248



77.1832, 0.4487, 0.3742

Complementary

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



77.1832, 0.2491, 0.3902



26.3759, 0.5070, 0.2893

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.



77.1832, 0.4289, 0.3228



77.1832, 0.2491, 0.3902



77.1832, 0.3029, 0.2414

Square

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



77.1832, 0.2491, 0.3902



77.1832, 0.2052, 0.2303



77.1832, 0.3729, 0.2761



77.1832, 0.4273, 0.4221

Rectangle

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



77.1832, 0.2491, 0.3902



77.1832, 0.1949, 0.2777



77.1832, 0.3729, 0.2761



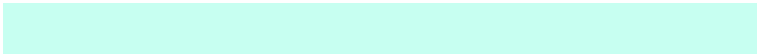
77.1832, 0.4469, 0.3570

Sweetspot

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



77.1858, 0.2491, 0.3902



89.9848, 0.2872, 0.3440



75.6561, 0.3210, 0.5518



19.0404, 0.2843, 0.3461



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.



77.1858, 0.2491, 0.3902



75.8164, 0.2474, 0.4045



54.9227, 0.2163, 0.2727



20.3980, 0.3014, 0.3351



39.3447, 0.2482, 0.4134



3.8485, 0.2451, 0.4025

Inverse Universe

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



26.3759, 0.5070, 0.2893



22.7594, 0.5632, 0.2959



32.8333, 0.5335, 0.3663



18.0627, 0.3254, 0.3230



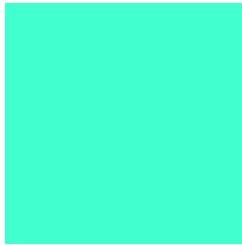
11.3268, 0.5923, 0.3037



1.1196, 0.5608, 0.2863

Previews

White Background



This preview shows how the Yxy color 77.1832, 0.2491, 0.3902 looks on a white background.

Color Contrast Check

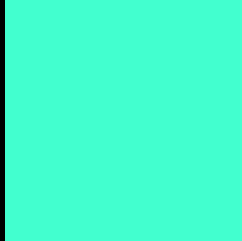
Large Text (above 18pt) WCAG AA × Fail

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 77.1832, 0.2491, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

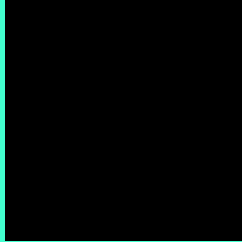
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1832, 0.2491, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 77.1832, 0.2491, 0.3902.

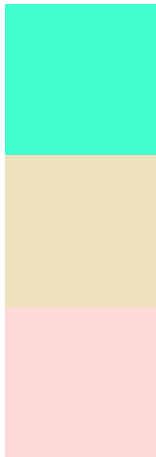


This preview shows how white text looks on a background with the Yxy color 77.1832, 0.2491, 0.3902.

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

77.1832, 0.2491, 0.3902

Protanopia

75.6607, 0.3435, 0.3642

Deuteranopia

75.5583, 0.3390, 0.3321



Tritanopia

76.7099, 0.2540, 0.3130

Trichromacy



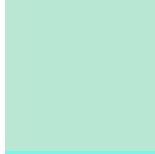
Original Color

77.1832, 0.2491, 0.3902



Protanomaly

73.1361, 0.2965, 0.3755



Deuteranomaly

72.0956, 0.2933, 0.3511



Tritanomaly

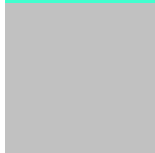
76.0777, 0.2497, 0.3384

Monochromacy



Original Color

77.1832, 0.2491, 0.3902



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.3920, 0.2775, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1832, 0.2491, 0.3902 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(66, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 207)  
}
```

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(66, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 77.1832, 0.2491, 0.3902 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(66, 255, 207) }
```

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

```
.border{ border-color:rgb(66, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1832, 0.2491, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 207) }
```

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

```
.background{ background-color: rgb(66, 255,  
207) }
```

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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