

Converting Colors

$Y_{xy}(77.1075, 0.2486, 0.3903)$

Have a look what the booklet for
Yxy(77.1075, 0.2486, 0.3903)
contains.

Yxy(77.1150, 0.2487, 0.3903)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.1150, 0.2487, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	40FFCF
RGB	64, 255, 207
RGB Percent	25%, 100%, 81%
CMY	0.7489, 0.0000, 0.1882
CMYK	0.75, 0.00, 0.19, 0.00
HSL	165°, 100%, 63%
HSV	165°, 75%, 100%
XYZ	49.1378, 77.1150, 71.3259
YIQ	192.4190, -98.4280, -55.4200

Conversions

Conversions Part 2

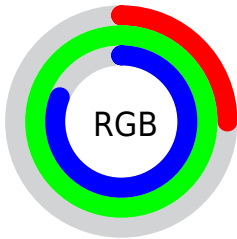
Format	Color
RYB	64, 173, 255
Decimal	4259791
CIELab	90.37, -57.22, 9.71
CIELCh	90, 58.035, 170.371
Yxy	77.1150, 0.2487, 0.3903
Android (android.graphics.Color)	4282449871 (0xFF40FFCF)
YUV	192.4190, 7.1884, -112.6235
Hunter-Lab	87.8151, -53.7950, 13.3136

Details

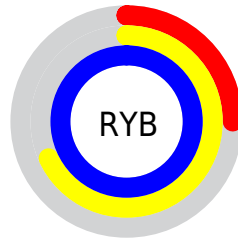
The Yxy color **77.1150, 0.2487, 0.3903** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.1008, 0.5108, 0.2898**, and the grayscale version is **52.9756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **42.2324, 0.2452, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **76.1401, 0.2472, 0.3998**, and if you desaturate by 10%, it is **78.4952, 0.2522, 0.3808**.

Distribution



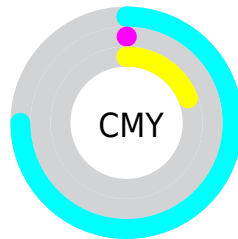
- Red (25%)
- Green (100%)
- Blue (81%)



- Red (25%)
- Yellow (68%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1150, 0.2487, 0.3903 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 77.1150, 0.2487, 0.3903 by changing the saturation by 10% instead.

 77.1150, 0.2487,
0.3903


 77.1150, 0.2487,
0.3903


485.1560, 0.2783,
0.3612

 57.3473, 0.2420,
0.3971

 129.3018, 0.2590,
0.3801


 41.2841, 0.2337,
0.4056


 162.4897, 0.2630,
0.3761

 28.5412, 0.2232,
0.4164


 200.9197, 0.2664,
0.3728

 18.7340, 0.2097,
0.4308

 244.9763, 0.2694,
0.3699

 11.4782, 0.1914,
0.4507

295.0438, 0.2720,
0.3673

 6.3895, 0.1658,
0.4798

351.5067, 0.2744,

 3.0833, 0.1275,

0.3650

414.7493, 0.2764,
0.3630

0.5264

■ 1.1754, 0.0000,
0.6727

■ 0.0415, 0.0000,
1.0000

■ 77.1150, 0.2487,
0.3903

■ 77.1150, 0.2487,
0.3903

■ 76.1401, 0.2472,
0.3998

■ 78.4952, 0.2522,
0.3808

■ 75.5091, 0.2476,
0.4092

■ 80.3247, 0.2578,
0.3715

■ 75.2775, 0.2483,
0.4140

■ 82.6452, 0.2651,
0.3626

■ 85.4929, 0.2739,
0.3540

■ 88.9001, 0.2841,
0.3461

■ 92.8969, 0.2951,
0.3387

■ 97.5111, 0.3068,
0.3320

■ 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.



77.1150, 0.3102, 0.4440



77.1150, 0.2487, 0.3903



77.1150, 0.2072, 0.3184

Triad

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



77.1150, 0.2487, 0.3903



77.1150, 0.2428, 0.2244



77.1150, 0.4492, 0.3744

Complementary

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



77.1150, 0.2487, 0.3903



26.1008, 0.5108, 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.



77.1150, 0.4295, 0.3228



77.1150, 0.2487, 0.3903



77.1150, 0.3030, 0.2412

Square

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



77.1150, 0.2487, 0.3903



77.1150, 0.2049, 0.2299



77.1150, 0.3733, 0.2760



77.1150, 0.4276, 0.4225

Rectangle

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



77.1150, 0.2487, 0.3903



77.1150, 0.1944, 0.2773



77.1150, 0.3733, 0.2760



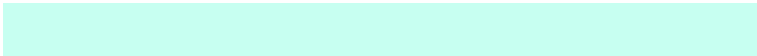
77.1150, 0.4474, 0.3571

Sweetspot

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



77.1161, 0.2487, 0.3903



89.9933, 0.2872, 0.3439



75.5324, 0.3207, 0.5537



19.0424, 0.2842, 0.3459



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.



77.1161, 0.2487, 0.3903



75.7789, 0.2472, 0.4047



54.6220, 0.2157, 0.2720



20.3989, 0.3014, 0.3350



39.3594, 0.2479, 0.4125



3.8498, 0.2449, 0.4017

Inverse Universe

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



26.1008, 0.5108, 0.2898



22.6042, 0.5674, 0.2971



32.4806, 0.5366, 0.3662



18.0620, 0.3255, 0.3230



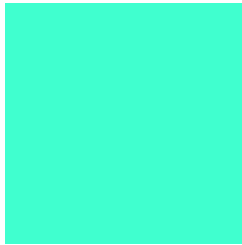
11.3228, 0.5931, 0.3041



1.1191, 0.5616, 0.2868

Previews

White Background



This preview shows how the Yxy color 77.1150, 0.2487, 0.3903 looks on a white background.

Color Contrast Check

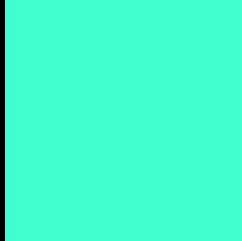
Large Text (above 18pt) WCAG AA × Fail

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 77.1150, 0.2487, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

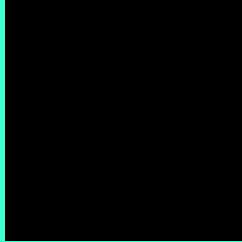
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1150, 0.2487, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 77.1150, 0.2487, 0.3903.

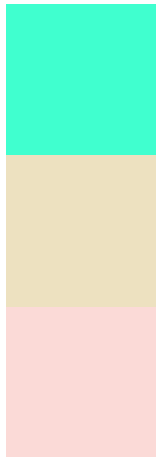


This preview shows how white text looks on a background with the Yxy color 77.1150, 0.2487, 0.3903.

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

77.1150, 0.2487, 0.3903

Protanopia

75.6607, 0.3435, 0.3642

Deuteranopia

75.5583, 0.3390, 0.3321



Tritanopia

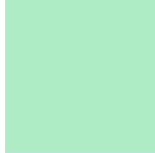
76.1195, 0.2539, 0.3118

Trichromacy



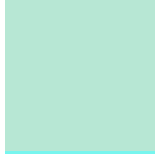
Original Color

77.1150, 0.2487, 0.3903



Protanomaly

73.0208, 0.2959, 0.3756



Deuteranomaly

71.9726, 0.2927, 0.3511



Tritanomaly

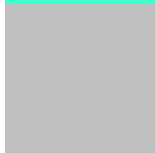
75.3998, 0.2491, 0.3372

Monochromacy



Original Color

77.1150, 0.2487, 0.3903



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.6518, 0.2767, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1150, 0.2487, 0.3903 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(64, 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(64, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 207) }
```

Border

The CSS property to change the border of an element to Yxy 77.1150, 0.2487, 0.3903 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, 207) }
```

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

```
.border{ border-color:rgb(64, 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(64, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1150, 0.2487, 0.3903 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, 207) }
```

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

```
.background{ background-color: rgb(64, 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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