

Converting Colors

$Y_{xy}(77.1829, 0.2389, 0.3711)$

Have a look what the booklet for
Yxy(77.1829, 0.2389, 0.3711)
contains.

Yxy(77.2060, 0.2388, 0.3706)	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(77.2060, 0.2388, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	26FFDE
RGB	38, 255, 222
RGB Percent	15%, 100%, 87%
CMY	0.8500, 0.0000, 0.1295
CMYK	0.85, 0.00, 0.13, 0.00
HSL	171°, 100%, 58%
HSV	171°, 85%, 100%
XYZ	49.7485, 77.2060, 81.3725
YIQ	186.3550, -118.7390, -56.2670

Conversions

Conversions Part 2

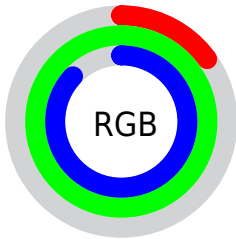
Format	Color
R_{YB}	38, 155, 255
Decimal	2555870
CIE _{Lab}	90.42, -55.74, 1.98
CIE _{LCh}	90, 55.777, 177.966
Yxy	77.2060, 0.2388, 0.3706
Android (android.graphics.Color)	4280745950 (0xFF26FFDE)
YUV	186.3550, 17.5730, -130.1073
Hunter-Lab	87.8669, -52.7040, 6.5991

Details

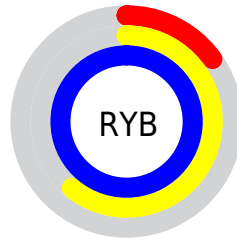
The Yxy color **77.2060, 0.2388, 0.3706** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.1211, 0.5791, 0.3107**, and the grayscale version is **49.3056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **42.7225, 0.2383, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **76.6698, 0.2383, 0.3760**, and if you desaturate by 10%, it is **78.0846, 0.2411, 0.3651**.

Distribution



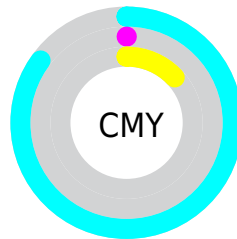
- Red (15%)
- Green (100%)
- Blue (87%)



- Red (15%)
- Yellow (61%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2060, 0.2388, 0.3706 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 77.2060, 0.2388, 0.3706 by changing the saturation by 10% instead.

 77.2060, 0.2388,
0.3706


 77.2060, 0.2388,
0.3706


485.4661, 0.2724,
0.3515


 57.4220, 0.2313,
0.3749

 129.4302, 0.2503,
0.3640


 41.3441, 0.2222,
0.3802


 162.6392, 0.2548,
0.3615

 28.5881, 0.2108,
0.3868


 201.0920, 0.2587,
0.3592

 18.7694, 0.1962,
0.3953

 245.1729, 0.2621,
0.3573

 11.5038, 0.1770,
0.4067

295.2664, 0.2652,
0.3556

 6.4068, 0.1508,
0.4225


351.7568, 0.2678,


 3.0940, 0.1134,


0.3541


0.4457


415.0286, 0.2702,
0.3527

 1.1810, 0.0000,
0.5120


 0.0461, 0.0000,
1.0000

 77.2060, 0.2388,
0.3706


 77.2060, 0.2388,
0.3706


 76.6698, 0.2383,
0.3760


 78.0846, 0.2411,
0.3651

 76.4848, 0.2385,
0.3787


 79.3549, 0.2454,
0.3596


 81.0671, 0.2517,
0.3542

 83.2619, 0.2598,
0.3490

 85.9751, 0.2696,
0.3440

 89.2392, 0.2807,
0.3393

 93.0842, 0.2930,
0.3349

 97.5376, 0.3060,
0.3309

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



77.2060, 0.2945, 0.4295



77.2060, 0.2388, 0.3706



77.2060, 0.2048, 0.3030

Triad

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



77.2060, 0.2388, 0.3706



77.2060, 0.2583, 0.2302



77.2060, 0.4424, 0.3858

Complementary

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



77.2060, 0.2388, 0.3706



23.1211, 0.5791, 0.3107

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.



77.2060, 0.4336, 0.3359



77.2060, 0.2388, 0.3706



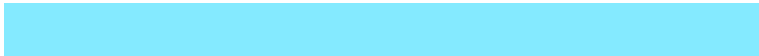
77.2060, 0.3205, 0.2512

Square

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



77.2060, 0.2388, 0.3706



77.2060, 0.2156, 0.2298



77.2060, 0.3869, 0.2886



77.2060, 0.4132, 0.4291

Rectangle

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



77.2060, 0.2388, 0.3706



77.2060, 0.1969, 0.2672



77.2060, 0.3869, 0.2886



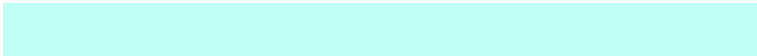
77.2060, 0.4440, 0.3694

Sweetspot

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



77.2090, 0.2388, 0.3706



89.2390, 0.2807, 0.3393



73.1318, 0.3092, 0.5803



18.8415, 0.2767, 0.3409



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.



77.2090, 0.2388, 0.3706



76.4858, 0.2385, 0.3787



41.4018, 0.2010, 0.2328



20.4311, 0.3000, 0.3326



39.9835, 0.2383, 0.3778



3.9054, 0.2366, 0.3716

Inverse Universe

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



23.1211, 0.5791, 0.3107



21.4055, 0.6223, 0.3202



32.6627, 0.5520, 0.3818



18.0322, 0.3270, 0.3254



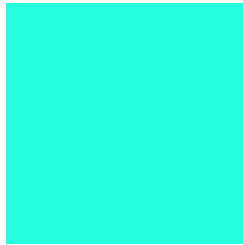
11.1982, 0.6193, 0.3185



1.1029, 0.5922, 0.3036

Previews

White Background



This preview shows how the Yxy color 77.2060, 0.2388, 0.3706 looks on a white background.

Color Contrast Check

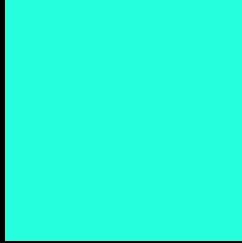
Large Text (above 18pt) WCAG AA × Fail

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 77.2060, 0.2388, 0.3706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

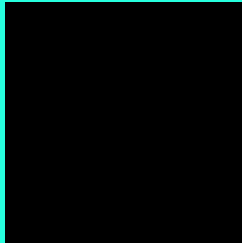
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2060, 0.2388, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 77.2060, 0.2388, 0.3706.



This preview shows how white text looks on a background with the Yxy color 77.2060, 0.2388, 0.3706.

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

77.2060, 0.2388, 0.3706

Protanopia

75.7506, 0.3324, 0.3503

Deuteranopia

75.2685, 0.3241, 0.3168



Tritanopia

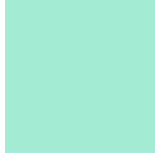
76.4265, 0.2527, 0.3129

Trichromacy



Original Color

77.2060, 0.2388, 0.3706



Protanomaly

72.4806, 0.2815, 0.3589



Deuteranomaly

71.2439, 0.2763, 0.3336



Tritanomaly

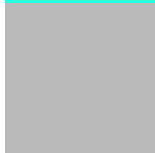
75.5707, 0.2433, 0.3324

Monochromacy



Original Color

77.2060, 0.2388, 0.3706



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.6176, 0.2674, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2060, 0.2388, 0.3706 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(38, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 222)  
}
```

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(38, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 77.2060, 0.2388, 0.3706 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(38, 255, 222) }
```

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

```
.border{ border-color:rgb(38, 255, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2060, 0.2388, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 222) }
```

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

```
.background{ background-color: rgb(38, 255,  
222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor