

Converting Colors

$Y_{xy}(100.0000, 0.2562, 0.4279)$

Have a look what the booklet for
Yxy(100.0000, 0.2562, 0.4279)
contains.

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Color

Yxy(76.6847, 0.2475, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	35FFCD
RGB	53, 255, 205
RGB Percent	21%, 100%, 80%
CMY	0.7921, 0.0000, 0.1962
CMYK	0.79, 0.00, 0.20, 0.00
HSL	165°, 100%, 60%
HSV	165°, 79%, 100%
XYZ	48.2447, 76.6847, 69.9987
YIQ	188.9020, -104.3420, -58.3740

Conversions

Conversions Part 2

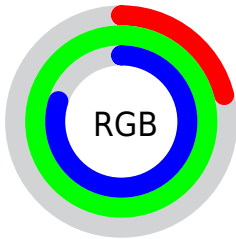
Format	Color
R _Y B	53, 168, 255
Decimal	3538893
CIE Lab	90.18, -58.81, 10.45
CIE LCh	90, 59.730, 169.924
Yxy	76.6847, 0.2475, 0.3934
Android (android.graphics.Color)	4281728973 (0xFF35FFCD)
YUV	188.9020, 7.9363, -119.1861
Hunter-Lab	87.5698, -54.9064, 13.9056

Details

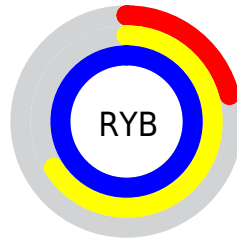
The Yxy color **76.6847, 0.2475, 0.3934** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.7865, 0.5290, 0.2916**, and the grayscale version is **50.8271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.1669, 0.2462, 0.4063** is the 20% darker color. If you saturate the color by 10%, you get **75.8676, 0.2468, 0.4027**, and if you desaturate by 10%, it is **77.8788, 0.2502, 0.3840**.

Distribution



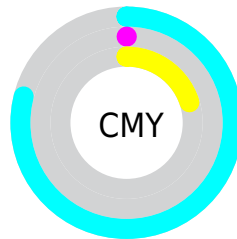
- Red (21%)
- Green (100%)
- Blue (80%)



- Red (21%)
- Yellow (66%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6847, 0.2475, 0.3934 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 76.6847, 0.2475, 0.3934 by changing the saturation by 10% instead.


 76.6847, 0.2475,
0.3934


 76.6847, 0.2475,
0.3934


483.6883, 0.2777,
0.3628


 56.9941, 0.2406,
0.4006


 128.6943, 0.2580,
0.3826


 41.0005, 0.2321,
0.4096


 161.7821, 0.2621,
0.3785

 28.3195, 0.2214,
0.4211


 200.1045, 0.2656,
0.3749

 18.5666, 0.2075,
0.4364

 244.0458, 0.2686,
0.3718

 11.3576, 0.1887,
0.4575

293.9905, 0.2713,
0.3691

 6.3079, 0.1624,
0.4887


350.3228, 0.2737,


 3.0332, 0.1222,

0.3668


0.5392


413.4273, 0.2758,
0.3646


 1.1491, 0.0000,
0.6985


 0.0195, 0.0000,
1.0000

 76.6847, 0.2475,
0.3934


 76.6847, 0.2475,
0.3934


 75.8676, 0.2468,
0.4027


 77.8788, 0.2502,
0.3840

 75.3539, 0.2479,
0.4120


 79.5046, 0.2549,
0.3748


 75.3190, 0.2480,
0.4127

 81.6042, 0.2615,
0.3658

 84.2154, 0.2698,
0.3572

 87.3721, 0.2794,
0.3491

 91.1054, 0.2901,
0.3416

 95.4439, 0.3017,
0.3348

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.



76.6847, 0.3109, 0.4484



76.6847, 0.2475, 0.3934



76.6847, 0.2047, 0.3189

Triad

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



76.6847, 0.2475, 0.3934



76.6847, 0.2400, 0.2216



76.6847, 0.4533, 0.3744

Complementary

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



76.6847, 0.2475, 0.3934



24.7865, 0.5290, 0.2916

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.



76.6847, 0.4325, 0.3216



76.6847, 0.2475, 0.3934



76.6847, 0.3015, 0.2384

Square

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



76.6847, 0.2475, 0.3934



76.6847, 0.2016, 0.2274



76.6847, 0.3740, 0.2738



76.6847, 0.4314, 0.4242

Rectangle

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



76.6847, 0.2475, 0.3934



76.6847, 0.1914, 0.2763



76.6847, 0.3740, 0.2738



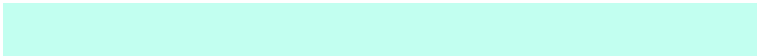
76.6847, 0.4514, 0.3567

Sweetspot

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



76.6835, 0.2475, 0.3934



89.2448, 0.2849, 0.3452



74.6905, 0.3178, 0.5645



18.8245, 0.2811, 0.3479



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.



76.6835, 0.2475, 0.3934



75.5440, 0.2473, 0.4081



51.4013, 0.2115, 0.2636



20.4000, 0.3013, 0.3350



39.3808, 0.2475, 0.4111



3.8517, 0.2446, 0.4006

Inverse Universe

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



24.7865, 0.5290, 0.2916



22.0192, 0.5843, 0.3022



31.3180, 0.5501, 0.3682



18.0609, 0.3255, 0.3231



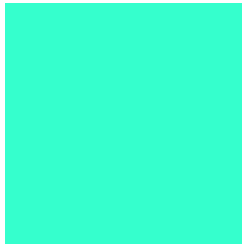
11.3170, 0.5943, 0.3047



1.1184, 0.5629, 0.2874

Previews

White Background



This preview shows how the Yxy color 76.6847, 0.2475, 0.3934 looks on a white background.

Color Contrast Check

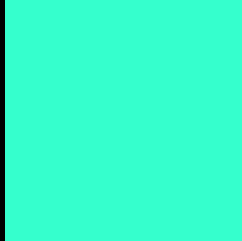
Large Text (above 18pt) WCAG AA × Fail

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 76.6847, 0.2475, 0.3934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

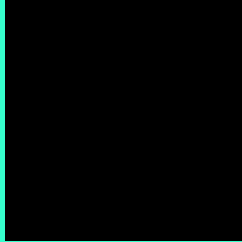
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6847, 0.2475, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 76.6847, 0.2475, 0.3934.



This preview shows how white text looks on a background with the Yxy color 76.6847, 0.2475, 0.3934.

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

76.6847, 0.2475, 0.3934

Protanopia

74.9900, 0.3458, 0.3664

Deuteranopia

74.9390, 0.3406, 0.3332



Tritanopia

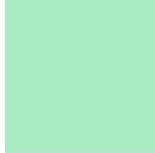
75.7432, 0.2520, 0.3117

Trichromacy



Original Color

76.6847, 0.2475, 0.3934



Protanomaly

71.9028, 0.2945, 0.3773



Deuteranomaly

71.3887, 0.2913, 0.3537



Tritanomaly

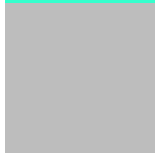
74.9300, 0.2473, 0.3385

Monochromacy



Original Color

76.6847, 0.2475, 0.3934



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.1041, 0.2747, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6847, 0.2475, 0.3934 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(53, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(53, 255, 205)  
}
```

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(53, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 76.6847, 0.2475, 0.3934 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(53, 255, 205) }
```

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

```
.border{ border-color:rgb(53, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6847, 0.2475, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 205) }
```

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

```
.background{ background-color: rgb(53, 255,  
205) }
```

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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