

Converting Colors

$Y_{xy}(75.0074, 0.2261, 0.3202)$

Have a look what the booklet for
Yxy(75.0074, 0.2261, 0.3202)
contains.

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Color

Yxy(75.0586, 0.2261, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	33F8FF
RGB	51, 248, 255
RGB Percent	20%, 97%, 100%
CMY	0.7997, 0.0274, 0.0000
CMYK	0.80, 0.03, 0.00, 0.00
HSL	182°, 100%, 60%
HSV	182°, 80%, 100%
XYZ	52.9839, 75.0586, 106.2959
YIQ	189.8950, -119.6590, -39.5870

Conversions

Conversions Part 2

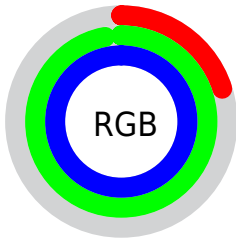
Format	Color
R _Y B	51, 151, 255
Decimal	3406079
CIE Lab	89.42, -42.90, -16.64
CIE LCh	89, 46.012, 201.206
Yxy	75.0586, 0.2261, 0.3203
Android (android.graphics.Color)	4281596159 (0xFF33F8FF)
YUV	189.8950, 32.0968, -121.8109
Hunter-Lab	86.6364, -42.4490, -12.0986

Details

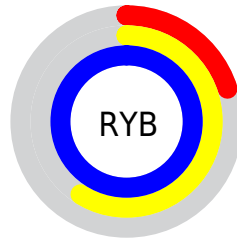
The Yxy color **75.0586, 0.2261, 0.3203** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.5320, 0.5900, 0.3339**, and the grayscale version is **51.3071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **41.3388, 0.2216, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **74.0332, 0.2232, 0.3192**, and if you desaturate by 10%, it is **76.4547, 0.2309, 0.3215**.

Distribution



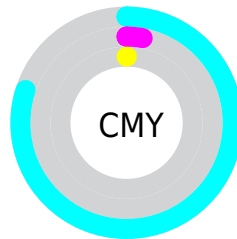
- Red (20%)
- Green (97%)
- Blue (100%)



- Red (20%)
- Yellow (59%)
- Blue (100%)



- Cyan (80%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0586, 0.2261, 0.3203 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 75.0586, 0.2261, 0.3203 by changing the saturation by 10% instead.


 75.0586, 0.2261,
0.3203


 75.0586, 0.2261,
0.3203


478.1190, 0.2646,
0.3256


 55.6609, 0.2177,
0.3188

 126.3953, 0.2391,
0.3224


 39.9311, 0.2076,
0.3168


 159.1031, 0.2443,
0.3231

 27.4848, 0.1952,
0.3140


 197.0164, 0.2488,
0.3238

 17.9377, 0.1797,
0.3101

 240.5196, 0.2527,
0.3243

 10.9053, 0.1597,
0.3042

289.9970, 0.2562,
0.3247

 6.0032, 0.1334,
0.2947

345.8331, 0.2593,

 2.8470, 0.0982,

0.3251

0.2780

408.4123, 0.2621,
0.3254

■ 1.0524, 0.0000,
0.2591

■ 0.0000, 0.0000,
0.0000

■ 75.0586, 0.2261,
0.3203

■ 75.0586, 0.2261,
0.3203

■ 74.0332, 0.2232,
0.3192

■ 76.4547, 0.2309,
0.3215

■ 73.2858, 0.2217,
0.3180

■ 78.2652, 0.2376,
0.3226


■ 73.2835, 0.2217,
0.3180

■ 80.5363, 0.2463,
0.3238

■ 83.3061, 0.2569,
0.3249

 86.6086, 0.2691,
0.3260

 90.4749, 0.2826,
0.3271

 94.9337, 0.2973,
0.3281

99.9971, 0.3127,
0.3290

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



75.0586, 0.2604, 0.3759



75.0586, 0.2261, 0.3203



75.0586, 0.2139, 0.2740

Triad

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



75.0586, 0.2261, 0.3203



75.0586, 0.3071, 0.2573



75.0586, 0.4055, 0.4074

Complementary

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



75.0586, 0.2261, 0.3203



24.5320, 0.5900, 0.3339

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.



75.0586, 0.4224, 0.3695



75.0586, 0.2261, 0.3203



75.0586, 0.3630, 0.2869

Square

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



75.0586, 0.2261, 0.3203



75.0586, 0.2573, 0.2430



75.0586, 0.4069, 0.3266



75.0586, 0.3639, 0.4282

Rectangle

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



75.0586, 0.2261, 0.3203



75.0586, 0.2187, 0.2541



75.0586, 0.4069, 0.3266



75.0586, 0.4144, 0.3960

Sweetspot

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



75.0614, 0.2261, 0.3203



88.8513, 0.2770, 0.3267



72.5259, 0.2997, 0.5738



18.7266, 0.2722, 0.3263



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.



75.0614, 0.2261, 0.3203



73.5669, 0.2222, 0.3185



28.5575, 0.1896, 0.1821



20.3683, 0.2980, 0.3281



38.3420, 0.2217, 0.3182



3.7654, 0.2221, 0.3195

Inverse Universe

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



30.4109, 0.3274, 0.1677



28.1726, 0.3294, 0.1598



46.5828, 0.4933, 0.4226



18.2890, 0.3143, 0.3064



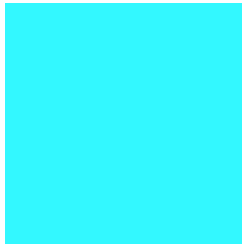
14.5986, 0.3297, 0.1590



1.4247, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 75.0586, 0.2261, 0.3203 looks on a white background.

Color Contrast Check

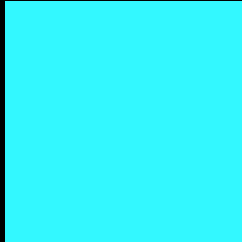
Large Text (above 18pt) WCAG AA × Fail

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 75.0586, 0.2261, 0.3203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

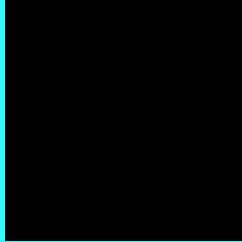
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

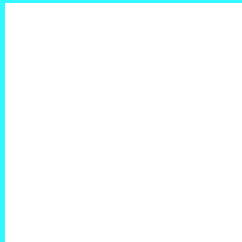
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.0586, 0.2261, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 75.0586, 0.2261, 0.3203.

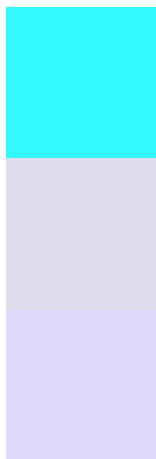


This preview shows how white text looks on a background with the Yxy color 75.0586, 0.2261, 0.3203.

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

75.0586, 0.2261, 0.3203

Protanopia

73.4155, 0.3024, 0.3109

Deuteranopia

73.3704, 0.2939, 0.2907



Tritanopia

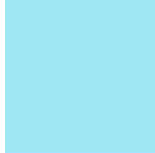
74.5267, 0.2461, 0.3114

Trichromacy



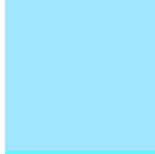
Original Color

75.0586, 0.2261, 0.3203



Protanomaly

71.1571, 0.2620, 0.3138



Deuteranomaly

70.9400, 0.2573, 0.2993



Tritanomaly

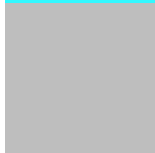
74.2047, 0.2361, 0.3146

Monochromacy



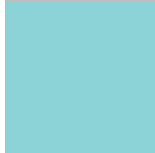
Original Color

75.0586, 0.2261, 0.3203



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

56.9325, 0.2630, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0586, 0.2261, 0.3203 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(51, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 248, 255)  
}
```

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(51, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.0586, 0.2261, 0.3203 is called "border". The border property can be set on classes, ids or directly on the HTML element.

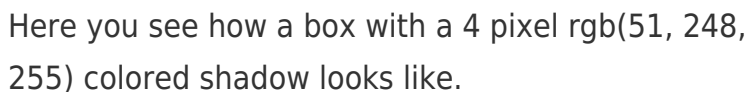
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 248, 255) }
```

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

```
.border{ border-color:rgb(51, 248, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(51, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0586, 0.2261, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 248, 255) }
```

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

```
.background{ background-color: rgb(51, 248,  
255) }
```

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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