

Converting Colors

$Yxy(78.6046, 0.2331, 0.3453)$

Have a look what the booklet for
Yxy(78.6046, 0.2331, 0.3453)
contains.

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Color

Yxy(78.5747, 0.2333, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	33FFF1
RGB	51, 255, 241
RGB Percent	20%, 100%, 95%
CMY	0.8005, 0.0000, 0.0549
CMYK	0.80, 0.00, 0.05, 0.00
HSL	176°, 100%, 60%
HSV	176°, 80%, 100%
XYZ	52.9965, 78.5747, 95.5890
YIQ	192.4080, -117.0900, -47.6020

Conversions

Conversions Part 2

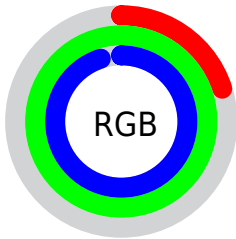
Format	Color
RYB	51, 157, 255
Decimal	3407857
CIELab	91.04, -49.85, -6.95
CIELCh	91, 50.334, 187.937
Yxy	78.5747, 0.2333, 0.3459
Android (android.graphics.Color)	4281597937 (0xFF33FFF1)
YUV	192.4080, 23.9559, -124.0148
Hunter-Lab	88.6424, -48.4047, -1.8867

Details

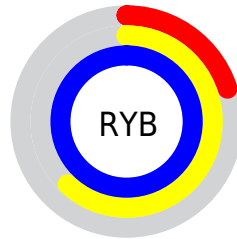
The Yxy color **78.5747, 0.2333, 0.3459** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.9965, 0.5806, 0.3213**, and the grayscale version is **52.8472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **43.4353, 0.2299, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **77.9781, 0.2313, 0.3482**, and if you desaturate by 10%, it is **79.5275, 0.2372, 0.3436**.

Distribution



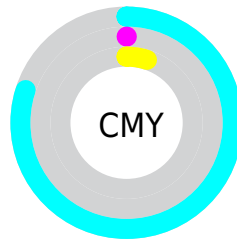
- Red (20%)
- Green (100%)
- Blue (95%)



- Red (20%)
- Yellow (62%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.5747, 0.2333, 0.3459 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 78.5747, 0.2333, 0.3459 by changing the saturation by 10% instead.


 78.5747, 0.2333,
0.3459


 78.5747, 0.2333,
0.3459


490.1164, 0.2687,
0.3390


 58.5462, 0.2255,
0.3473

 131.3600, 0.2453,
0.3437


 42.2479, 0.2162,
0.3488


 164.8855, 0.2501,
0.3428

 29.2955, 0.2046,
0.3506


 203.6788, 0.2542,
0.3420

 19.3044, 0.1899,
0.3526

 248.1244, 0.2578,
0.3412

 11.8905, 0.1709,
0.3549

298.6065, 0.2610,
0.3406

 6.6691, 0.1455,
0.3570

355.5096, 0.2639,

 3.2561, 0.1107,

0.3400

419.2181, 0.2664,
0.3395

0.3580

1.2668, 0.0000,
0.3771

0.1153, 0.0000,
0.1587

78.5747, 0.2333,
0.3459

78.5747, 0.2333,
0.3459

77.9781, 0.2313,
0.3482

79.5275, 0.2372,
0.3436

77.6642, 0.2307,
0.3505

80.8990, 0.2431,
0.3412

82.7294, 0.2509,
0.3389

85.0566, 0.2605,
0.3367

87.9149, 0.2718,
0.3346

91.3352, 0.2844,
0.3326

95.3463, 0.2982,
0.3307

99.9748, 0.3126,
0.3290

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.



78.5747, 0.2786, 0.4036



78.5747, 0.2333, 0.3459



78.5747, 0.2098, 0.2891

Triad

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



78.5747, 0.2333, 0.3459



78.5747, 0.2811, 0.2434



78.5747, 0.4244, 0.3958

Complementary

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



78.5747, 0.2333, 0.3459



23.9965, 0.5806, 0.3213

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.



78.5747, 0.4279, 0.3515



78.5747, 0.2333, 0.3459



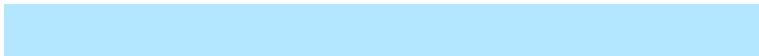
78.5747, 0.3404, 0.2683

Square

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



78.5747, 0.2333, 0.3459



78.5747, 0.2353, 0.2367



78.5747, 0.3962, 0.3064



78.5747, 0.3895, 0.4289

Rectangle

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



78.5747, 0.2333, 0.3459



78.5747, 0.2077, 0.2613



78.5747, 0.3962, 0.3064



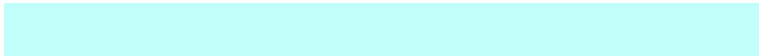
78.5747, 0.4295, 0.3816

Sweetspot

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



78.5712, 0.2333, 0.3459



89.9154, 0.2793, 0.3333



72.9825, 0.3053, 0.5752



18.9880, 0.2748, 0.3341



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.



78.5712, 0.2333, 0.3459



77.7711, 0.2308, 0.3496



36.6496, 0.1983, 0.2152



20.4587, 0.2989, 0.3306



40.5904, 0.2306, 0.3501



3.9584, 0.2299, 0.3475

Inverse Universe

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



23.9965, 0.5806, 0.3213



21.5605, 0.6284, 0.3261



39.0849, 0.5182, 0.4000



18.0073, 0.3284, 0.3274



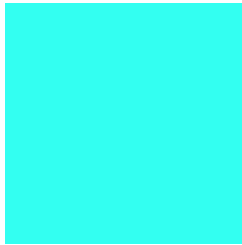
11.1382, 0.6331, 0.3261



1.0912, 0.6173, 0.3174

Previews

White Background



This preview shows how the Yxy color 78.5747, 0.2333, 0.3459 looks on a white background.

Color Contrast Check

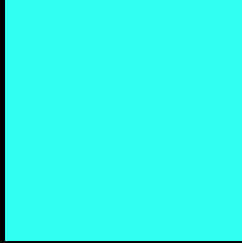
Large Text (above 18pt) WCAG AA × Fail

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 78.5747, 0.2333, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

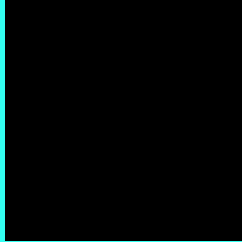
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

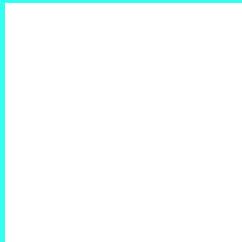
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.5747, 0.2333, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 78.5747, 0.2333, 0.3459.

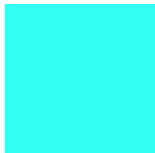


This preview shows how white text looks on a background with the Yxy color 78.5747, 0.2333, 0.3459.

Color Blindness Simulation

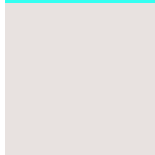
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



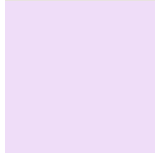
Original Color

78.5747, 0.2333, 0.3459



Protanopia

76.9303, 0.3182, 0.3311



Deuteranopia

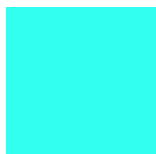
76.8409, 0.3077, 0.3016



Tritanopia

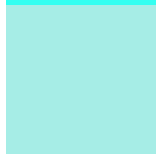
77.8924, 0.2570, 0.3142

Trichromacy



Original Color

78.5747, 0.2333, 0.3459



Protanomaly

74.3885, 0.2732, 0.3370



Deuteranomaly

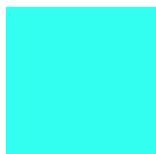
73.5283, 0.2676, 0.3153



Tritanomaly

77.2752, 0.2441, 0.3253

Monochromacy



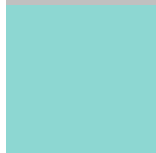
Original Color

78.5747, 0.2333, 0.3459



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.9167, 0.2670, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.5747, 0.2333, 0.3459 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, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 241)  
}
```

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, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 78.5747, 0.2333, 0.3459 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, 255, 241) }
```

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

```
.border{ border-color:rgb(51, 255, 241) }
```

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

Here you see how a box with a 4 pixel rgb(51, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 78.5747, 0.2333, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 241) }
```

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

```
.background{ background-color: rgb(51, 255,  
241) }
```

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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