

Converting Colors

$Y_{xy}(74.9860, 0.2354, 0.3531)$

Have a look what the booklet for
Yxy(74.9860, 0.2354, 0.3531)
contains.

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Color

Yxy(74.8188, 0.2353, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	32FAE7
RGB	50, 250, 231
RGB Percent	20%, 98%, 91%
CMY	0.8047, 0.0196, 0.0942
CMYK	0.80, 0.00, 0.08, 0.02
HSL	174°, 95%, 59%
HSV	174°, 80%, 98%
XYZ	49.9146, 74.8188, 87.3982
YIQ	188.0340, -113.1010, -48.3090

Conversions

Conversions Part 2

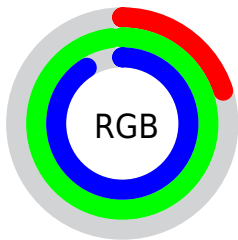
Format	Color
RYB	50, 155, 250
Decimal	3341031
CIELab	89.31, -50.52, -4.31
CIELCh	89, 50.700, 184.871
Yxy	74.8188, 0.2353, 0.3527
Android (android.graphics.Color)	4281531111 (0xFF32FAE7)
YUV	188.0340, 21.1822, -121.0558
Hunter-Lab	86.4979, -48.3658, 0.6414

Details

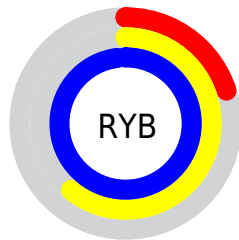
The Yxy color **74.8188, 0.2353, 0.3527** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.0177, 0.5742, 0.3175**, and the grayscale version is **50.2018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **41.2745, 0.2323, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **74.2194, 0.2335, 0.3560**, and if you desaturate by 10%, it is **75.7716, 0.2390, 0.3494**.

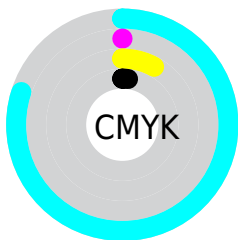
Distribution



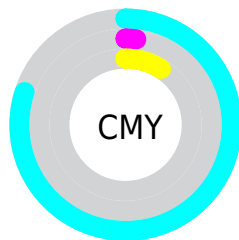
- Red (20%)
- Green (98%)
- Blue (91%)



- Red (20%)
- Yellow (61%)
- Blue (98%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (80%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8188, 0.2353, 0.3527 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 74.8188, 0.2353, 0.3527 by changing the saturation by 10% instead.

 74.8188, 0.2353,
0.3527

 74.8188, 0.2353,
0.3527


477.2945, 0.2703,
0.3424

 55.4645, 0.2275,
0.3549

 126.0558, 0.2473,
0.3493


 39.7737, 0.2181,
0.3575


 158.7073, 0.2520,
0.3479

 27.3622, 0.2063,
0.3606


 196.5600, 0.2560,
0.3467

 17.8454, 0.1914,
0.3645

 239.9982, 0.2596,
0.3456

 10.8390, 0.1718,
0.3692

289.4063, 0.2628,
0.3447

 5.9587, 0.1452,
0.3751


345.1689, 0.2655,


 2.8200, 0.1081,

0.3438


0.3817


407.6701, 0.2681,
0.3431


 1.0385, 0.0000,
0.4092

 0.0000, 0.0000,
0.0000


 74.8188, 0.2353,
0.3527


 74.8188, 0.2353,
0.3527


 74.2194, 0.2335,
0.3560


 75.7716, 0.2390,
0.3494

 73.8850, 0.2331,
0.3592


 77.1187, 0.2447,
0.3461

 78.9046, 0.2523,
0.3429


 81.1655, 0.2618,
0.3398

 83.9340, 0.2728,
0.3368

 87.2396, 0.2851,
0.3340

 91.1098, 0.2985,
0.3314

 95.5699, 0.3126,
0.3290

 96.6920, 0.3145,
0.3268

Harmonies

Analogous

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



74.8188, 0.2834, 0.4105



74.8188, 0.2353, 0.3527



74.8188, 0.2089, 0.2932

Triad

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



74.8188, 0.2353, 0.3527



74.8188, 0.2747, 0.2400



74.8188, 0.4289, 0.3927

Complementary

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



74.8188, 0.2353, 0.3527



23.0177, 0.5742, 0.3175

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.



74.8188, 0.4289, 0.3469



74.8188, 0.2353, 0.3527



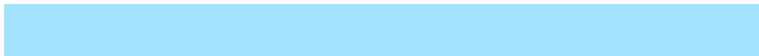
74.8188, 0.3346, 0.2637

Square

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



74.8188, 0.2353, 0.3527



74.8188, 0.2300, 0.2352



74.8188, 0.3932, 0.3014



74.8188, 0.3959, 0.4286

Rectangle

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



74.8188, 0.2353, 0.3527



74.8188, 0.2051, 0.2634



74.8188, 0.3932, 0.3014



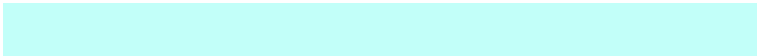
74.8188, 0.4330, 0.3779

Sweetspot

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



74.8216, 0.2353, 0.3527



89.8139, 0.2801, 0.3351



69.9039, 0.3063, 0.5744



18.9632, 0.2757, 0.3361



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.



74.8216, 0.2353, 0.3527



77.3968, 0.2331, 0.3579



36.2976, 0.1996, 0.2201



19.5785, 0.2993, 0.3312



39.1975, 0.2330, 0.3586



3.6384, 0.2319, 0.3547

Inverse Universe

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



23.0177, 0.5742, 0.3175



21.5939, 0.6244, 0.3239



36.4889, 0.5216, 0.3968



17.2520, 0.3279, 0.3268



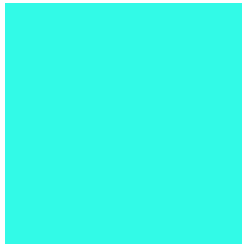
10.8240, 0.6294, 0.3241



1.0112, 0.6079, 0.3123

Previews

White Background



This preview shows how the Yxy color 74.8188, 0.2353, 0.3527 looks on a white background.

Color Contrast Check

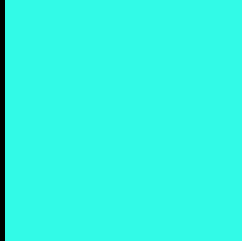
Large Text (above 18pt) WCAG AA × Fail

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 74.8188, 0.2353, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

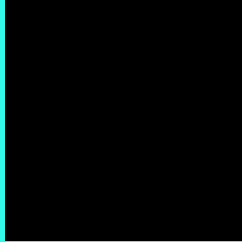
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8188, 0.2353, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 74.8188, 0.2353, 0.3527.

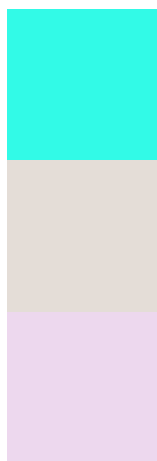


This preview shows how white text looks on a background with the Yxy color 74.8188, 0.2353, 0.3527.

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

74.8188, 0.2353, 0.3527

Protanopia

73.1132, 0.3217, 0.3355

Deuteranopia

73.2893, 0.3131, 0.3063



Tritanopia

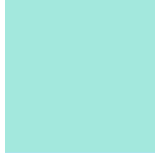
74.5267, 0.2461, 0.3114

Trichromacy



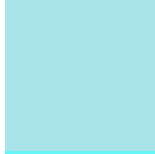
Original Color

74.8188, 0.2353, 0.3527



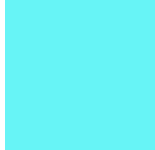
Protanomaly

70.7202, 0.2757, 0.3420



Deuteranomaly

69.9200, 0.2711, 0.3207



Tritanomaly

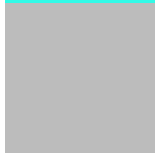
74.2388, 0.2399, 0.3264

Monochromacy



Original Color

74.8188, 0.2353, 0.3527



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.3514, 0.2680, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8188, 0.2353, 0.3527 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(50, 250, 231)` looks like.

```
.text, #text, p{  
    color:rgb(50, 250, 231)  
}
```

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(50, 250, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 250, 231) }
```

Border

The CSS property to change the border of an element to Yxy 74.8188, 0.2353, 0.3527 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(50, 250, 231) }
```

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

```
.border{ border-color:rgb(50, 250, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 250, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 250, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 250, 231);  
box-shadow:4px 4px 4px 4px rgb(50, 250,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8188, 0.2353, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 250, 231) }
```

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

```
.background{ background-color: rgb(50, 250,  
231) }
```

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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