

Converting Colors

$Y_{xy}(75.3610, 0.2590, 0.4341)$

Have a look what the booklet for
Yxy(75.3610, 0.2590, 0.4341)
contains.

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Color

Yxy(75.3584, 0.2590, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	33FFB0
RGB	51, 255, 176
RGB Percent	20%, 100%, 69%
CMY	0.8010, 0.0000, 0.3098
CMYK	0.80, 0.00, 0.31, 0.00
HSL	157°, 100%, 60%
HSV	157°, 80%, 100%
XYZ	44.9512, 75.3584, 53.2473
YIQ	184.9980, -96.2250, -67.8170

Conversions

Conversions Part 2

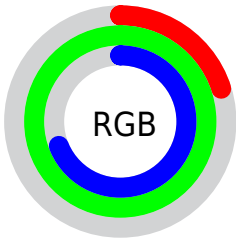
Format	Color
RYB	51, 177, 255
Decimal	3407792
CIELab	89.56, -65.45, 24.43
CIELCh	90, 69.857, 159.530
Yxy	75.3584, 0.2590, 0.4342
Android (android.graphics.Color)	4281597872 (0xFF33FFB0)
YUV	184.9980, -4.4360, -117.5162
Hunter-Lab	86.8092, -59.4859, 24.3990

Details

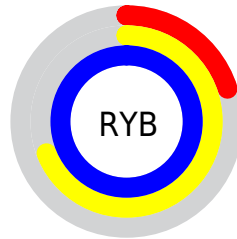
The Yxy color **75.3584, 0.2590, 0.4342** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.2100, 0.4883, 0.2651**, and the grayscale version is **48.5337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0920, 0.2581, 0.3559**, and **41.3626, 0.2605, 0.4576** is the 20% darker color. If you saturate the color by 10%, you get **74.4878, 0.2597, 0.4493**, and if you desaturate by 10%, it is **76.6056, 0.2603, 0.4189**.

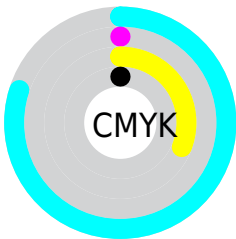
Distribution



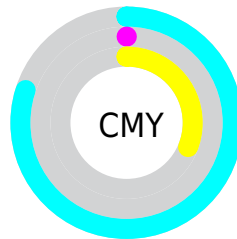
- Red (20%)
- Green (100%)
- Blue (69%)



- Red (20%)
- Yellow (69%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3584, 0.2590, 0.4342 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 75.3584, 0.2590, 0.4342 by changing the saturation by 10% instead.


 75.3584, 0.2590,
0.4342

 75.3584, 0.2590,
0.4342


479.1485, 0.2852,
0.3825

 55.9066, 0.2527,
0.4468


 126.8196, 0.2684,
0.4156


 40.1280, 0.2447,
0.4626


 159.5977, 0.2719,
0.4086

 27.6384, 0.2344,
0.4834


 197.5867, 0.2750,
0.4026

 18.0532, 0.2205,
0.5113

 241.1709, 0.2776,
0.3975

 10.9882, 0.2010,
0.5510

290.7348, 0.2799,
0.3930

 6.0589, 0.1720,
0.6106


346.6628, 0.2819,

 2.8809, 0.1154,


0.3890

0.7218


409.3392, 0.2837,
0.3856


 1.0699, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.3584, 0.2590,
0.4342


 75.3584, 0.2590,
0.4342


 74.4878, 0.2597,
0.4493


 76.6056, 0.2603,
0.4189


 73.9328, 0.2622,
0.4638


 78.3026, 0.2637,
0.4038

 80.4867, 0.2690,
0.3891

 83.1965, 0.2758,
0.3751

 86.4668, 0.2839,
0.3620

 90.3291, 0.2929,
0.3500

 94.8126, 0.3026,
0.3390

99.9445, 0.3126,
0.3291

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.



75.3584, 0.3360, 0.4812



75.3584, 0.2590, 0.4342



75.3584, 0.2009, 0.3459

Triad

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



75.3584, 0.2590, 0.4342



75.3584, 0.2101, 0.2050



75.3584, 0.4750, 0.3572

Complementary

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



75.3584, 0.2590, 0.4342



25.2100, 0.4883, 0.2651

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.



75.3584, 0.4337, 0.2989



75.3584, 0.2590, 0.4342



75.3584, 0.2717, 0.2161

Square

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



75.3584, 0.2590, 0.4342



75.3584, 0.1773, 0.2202



75.3584, 0.3546, 0.2493



75.3584, 0.4637, 0.4170

Rectangle

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



75.3584, 0.2590, 0.4342



75.3584, 0.1792, 0.2899



75.3584, 0.3546, 0.2493



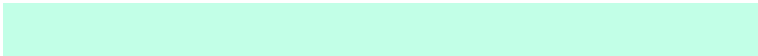
75.3584, 0.4670, 0.3373

Sweetspot

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



75.3515, 0.2590, 0.4342



88.7510, 0.2893, 0.3545



76.6982, 0.3326, 0.5553



18.7050, 0.2861, 0.3589



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.



75.3515, 0.2590, 0.4342



74.1349, 0.2611, 0.4580



67.0902, 0.2216, 0.3035



20.3554, 0.3032, 0.3384



38.6616, 0.2615, 0.4614



3.7858, 0.2568, 0.4446

Inverse Universe

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



25.2100, 0.4883, 0.2651



22.4990, 0.5369, 0.2752



26.0245, 0.5808, 0.3428



18.1034, 0.3233, 0.3198



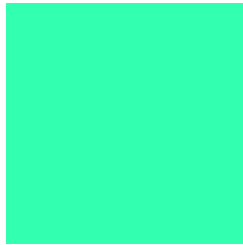
11.6029, 0.5438, 0.2769



1.1503, 0.5132, 0.2601

Previews

White Background



This preview shows how the Yxy color 75.3584, 0.2590, 0.4342 looks on a white background.

Color Contrast Check

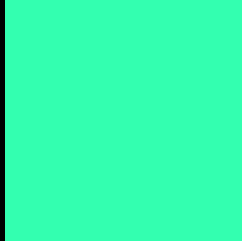
Large Text (above 18pt) WCAG AA × Fail

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 75.3584, 0.2590, 0.4342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

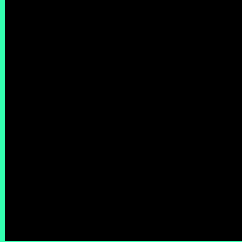
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.3584, 0.2590, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 75.3584, 0.2590, 0.4342.

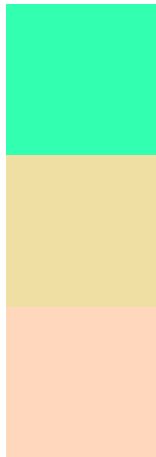


This preview shows how white text looks on a background with the Yxy color 75.3584, 0.2590, 0.4342.

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

75.3584, 0.2590, 0.4342

Protanopia

73.9093, 0.3670, 0.3940

Deuteranopia

73.5350, 0.3616, 0.3558



Tritanopia

74.4420, 0.2483, 0.3104

Trichromacy



Original Color

75.3584, 0.2590, 0.4342



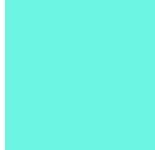
Protanomaly

70.8646, 0.3114, 0.4126



Deuteranomaly

69.8781, 0.3081, 0.3844



Tritanomaly

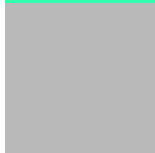
73.9216, 0.2499, 0.3523

Monochromacy



Original Color

75.3584, 0.2590, 0.4342



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.7048, 0.2795, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3584, 0.2590, 0.4342 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 75.3584, 0.2590, 0.4342 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, 176) }
```

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

```
.border{ border-color:rgb(51, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3584, 0.2590, 0.4342 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, 176) }
```

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

```
.background{ background-color: rgb(51, 255,  
176) }
```

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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