

Converting Colors

$Y_{xy}(100.0000, 0.2485, 0.3881)$

Have a look what the booklet for
Yxy(100.0000, 0.2485, 0.3881)
contains.

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Color

Yxy(78.9564, 0.2403, 0.3545)

Conversions

Conversions Part 1

Format	Color
Hex	4BFFEA
RGB	75, 255, 234
RGB Percent	29%, 100%, 92%
CMY	0.7052, 0.0000, 0.0824
CMYK	0.71, 0.00, 0.08, 0.00
HSL	173°, 100%, 65%
HSV	173°, 71%, 100%
XYZ	53.5211, 78.9564, 90.2486
YIQ	198.7860, -100.5390, -44.6910

Conversions

Conversions Part 2

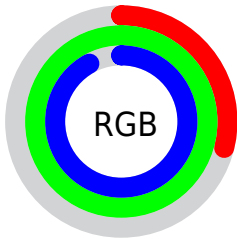
Format	Color
RYB	75, 171, 255
Decimal	4980714
CIELab	91.21, -49.24, -3.02
CIElCh	91, 49.336, 183.506
Yxy	78.9564, 0.2403, 0.3545
Android (android.graphics.Color)	4283170794 (0xFF4BFFEA)
YUV	198.7860, 17.3605, -108.5603
Hunter-Lab	88.8574, -47.9854, 1.9819

Details

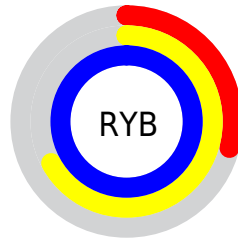
The Yxy color **78.9564, 0.2403, 0.3545** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.1640, 0.5275, 0.3123**, and the grayscale version is **56.9453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **43.1469, 0.2331, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **77.9565, 0.2368, 0.3586**, and if you desaturate by 10%, it is **80.3773, 0.2457, 0.3504**.

Distribution



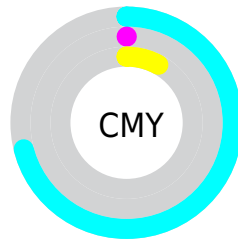
- Red (29%)
- Green (100%)
- Blue (92%)



- Red (29%)
- Yellow (67%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (71%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9564, 0.2403, 0.3545 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 78.9564, 0.2403, 0.3545 by changing the saturation by 10% instead.

 78.9564, 0.2403,
0.3545


 78.9564, 0.2403,
0.3545

491.4088, 0.2728,
0.3433


 58.8600, 0.2331,
0.3569


 131.8975, 0.2514,
0.3507


 42.5004, 0.2244,
0.3598


 165.5109, 0.2557,
0.3492

 29.4933, 0.2136,
0.3633


 204.3988, 0.2595,
0.3479

 19.4543, 0.1999,
0.3677

 248.9455, 0.2629,
0.3468

 11.9990, 0.1819,
0.3733

299.5355, 0.2658,
0.3458

 6.7430, 0.1575,
0.3805


356.5531, 0.2684,


 3.3019, 0.1233,

0.3449

0.3897


420.3828, 0.2707,
0.3441


 1.2913, 0.0000,
0.4324


 0.1345, 0.0000,
0.2734


 78.9564, 0.2403,
0.3545


 78.9564, 0.2403,
0.3545


 77.9565, 0.2368,
0.3586


 80.3773, 0.2457,
0.3504

 77.3159, 0.2353,
0.3627

 82.2539, 0.2531,
0.3464

 76.9637, 0.2352,
0.3665

 84.6276, 0.2623,
0.3425

 87.5327, 0.2731,
0.3388

■ 91.0003, 0.2851,
0.3353

■ 95.0593, 0.2982,
0.3321

99.7365, 0.3120,
0.3291

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



78.9564, 0.2873, 0.4086



78.9564, 0.2403, 0.3545



78.9564, 0.2137, 0.2973

Triad

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



78.9564, 0.2403, 0.3545



78.9564, 0.2741, 0.2428



78.9564, 0.4247, 0.3887

Complementary

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



78.9564, 0.2403, 0.3545



27.1640, 0.5275, 0.3123

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.



78.9564, 0.4229, 0.3445



78.9564, 0.2403, 0.3545



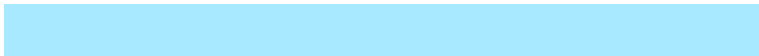
78.9564, 0.3310, 0.2649

Square

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



78.9564, 0.2403, 0.3545



78.9564, 0.2318, 0.2392



78.9564, 0.3874, 0.3008



78.9564, 0.3946, 0.4234

Rectangle

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



78.9564, 0.2403, 0.3545



78.9564, 0.2092, 0.2680



78.9564, 0.3874, 0.3008



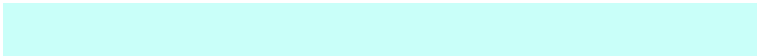
78.9564, 0.4280, 0.3744

Sweetspot

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



78.9594, 0.2403, 0.3545



90.8235, 0.2845, 0.3355



74.6886, 0.3108, 0.5501



19.2243, 0.2811, 0.3364



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.



78.9594, 0.2403, 0.3545



77.6318, 0.2359, 0.3605



45.1454, 0.2111, 0.2433



20.4428, 0.2996, 0.3318



40.2317, 0.2350, 0.3659



3.9271, 0.2337, 0.3612

Inverse Universe

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



27.1640, 0.5275, 0.3123



23.0276, 0.5882, 0.3161



40.8527, 0.4970, 0.3900



18.0216, 0.3276, 0.3263



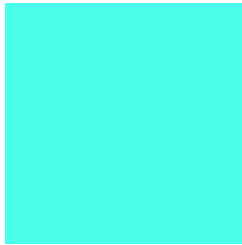
11.1681, 0.6261, 0.3223



1.0979, 0.6025, 0.3093

Previews

White Background



This preview shows how the Yxy color 78.9564, 0.2403, 0.3545 looks on a white background.

Color Contrast Check

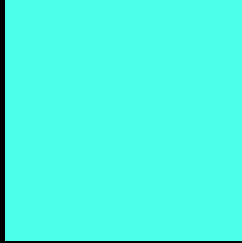
Large Text (above 18pt) WCAG AA × Fail

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 78.9564, 0.2403, 0.3545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

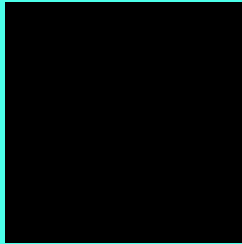
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

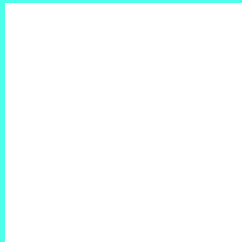
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9564, 0.2403, 0.3545

Background



This preview shows how black text looks on a background with the Yxy color 78.9564, 0.2403, 0.3545.

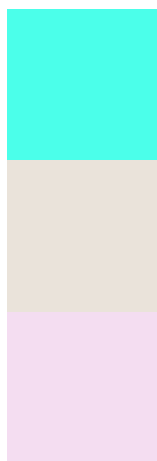


This preview shows how white text looks on a background with the Yxy color 78.9564, 0.2403, 0.3545.

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

78.9564, 0.2403, 0.3545

Protanopia

77.4926, 0.3235, 0.3385

Deuteranopia

77.2969, 0.3158, 0.3088



Tritanopia

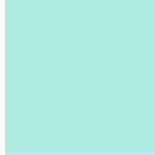
78.3013, 0.2589, 0.3143

Trichromacy



Original Color

78.9564, 0.2403, 0.3545



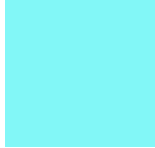
Protanomaly

75.1803, 0.2820, 0.3439



Deuteranomaly

74.5182, 0.2781, 0.3233



Tritanomaly

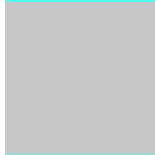
77.9828, 0.2499, 0.3288

Monochromacy



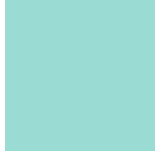
Original Color

78.9564, 0.2403, 0.3545



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.2865, 0.2740, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9564, 0.2403, 0.3545 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(75, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(75, 255, 234)  
}
```

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(75, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 78.9564, 0.2403, 0.3545 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(75, 255, 234) }
```

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

```
.border{ border-color:rgb(75, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(75, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9564, 0.2403, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 255, 234) }
```

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

```
.background{ background-color: rgb(75, 255,  
234) }
```

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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