

Converting Colors

$Y_{xy}(77.5822, 0.2323, 0.3544)$

Have a look what the booklet for
Yxy(77.5822, 0.2323, 0.3544)
contains.

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Color

Yxy(77.5539, 0.2325, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	0EFFEA
RGB	14, 255, 234
RGB Percent	5%, 100%, 92%
CMY	0.9439, 0.0000, 0.0824
CMYK	0.94, 0.00, 0.08, 0.00
HSL	175°, 100%, 53%
HSV	175°, 94%, 100%
XYZ	50.7923, 77.5539, 90.1154
YIQ	180.5470, -136.8950, -57.6230

Conversions

Conversions Part 2

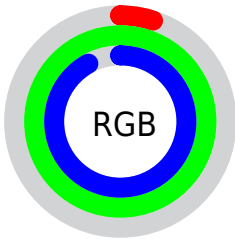
Format	Color
R_{YB}	14, 140, 255
Decimal	983018
CIE _{Lab}	90.58, -53.63, -4.03
CIE _{LCh}	91, 53.782, 184.293
Yxy	77.5539, 0.2325, 0.3550
Android (android.graphics.Color)	4279173098 (0xFF0EFEEA)
YUV	180.5470, 26.3523, -146.0617
Hunter-Lab	88.0647, -51.1612, 0.9746

Details

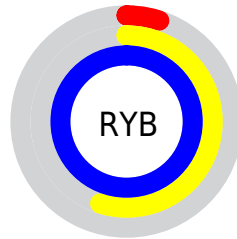
The Yxy color **77.5539, 0.2325, 0.3550** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.7053, 0.6223, 0.3239**, and the grayscale version is **45.9100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **43.1469, 0.2331, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **77.3877, 0.2324, 0.3567**, and if you desaturate by 10%, it is **78.0350, 0.2337, 0.3520**.

Distribution



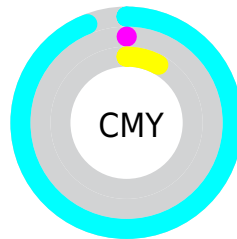
- Red (5%)
- Green (100%)
- Blue (92%)



- Red (5%)
- Yellow (55%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5539, 0.2325, 0.3550 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 77.5539, 0.2325, 0.3550 by changing the saturation by 10% instead.


 77.5539, 0.2325,
0.3550

 77.5539, 0.2325,
0.3550


486.6505, 0.2685,
0.3437

 57.7076, 0.2246,
0.3574


 129.9211, 0.2448,
0.3512


 41.5736, 0.2150,
0.3602


 163.2107, 0.2496,
0.3497

 28.7676, 0.2031,
0.3637


 201.7503, 0.2538,
0.3484

 18.9051, 0.1880,
0.3679

 245.9242, 0.2575,
0.3473

 11.6017, 0.1683,
0.3731

296.1167, 0.2607,
0.3462

 6.4731, 0.1420,
0.3795

352.7124, 0.2636,

 3.1348, 0.1057,

0.3453

0.3870

416.0955, 0.2662,
0.3445

■ 1.2025, 0.0000,
0.4164

■ 0.0638, 0.0000,
0.1538

■ 77.5539, 0.2325,
0.3550

■ 77.5539, 0.2325,
0.3550


■ 77.3877, 0.2324,
0.3567


■ 78.0350, 0.2337,
0.3520


■ 78.8523, 0.2366,
0.3490


■ 80.0641, 0.2415,
0.3460

■ 81.7173, 0.2483,
0.3430

 83.8520, 0.2571,
0.3401

 86.5039, 0.2675,
0.3373

 89.7053, 0.2794,
0.3347

 93.4859, 0.2924,
0.3322

 97.8732, 0.3064,
0.3299

Harmonies

Analogous

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



77.5539, 0.2829, 0.4158



77.5539, 0.2325, 0.3550



77.5539, 0.2047, 0.2923

Triad

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



77.5539, 0.2325, 0.3550



77.5539, 0.2718, 0.2361



77.5539, 0.4346, 0.3941

Complementary

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



77.5539, 0.2325, 0.3550



21.7053, 0.6223, 0.3239

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.



77.5539, 0.4342, 0.3463



77.5539, 0.2325, 0.3550



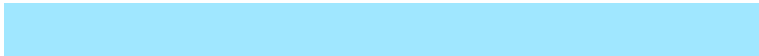
77.5539, 0.3342, 0.2602

Square

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



77.5539, 0.2325, 0.3550



77.5539, 0.2257, 0.2313



77.5539, 0.3960, 0.2992



77.5539, 0.4003, 0.4325

Rectangle

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



77.5539, 0.2325, 0.3550



77.5539, 0.2005, 0.2609



77.5539, 0.3960, 0.2992



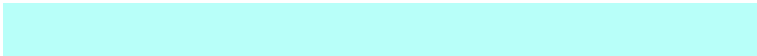
77.5539, 0.4388, 0.3786

Sweetspot

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



77.5549, 0.2325, 0.3550



88.4858, 0.2749, 0.3356



71.9715, 0.3029, 0.5947



18.6480, 0.2699, 0.3367



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.



77.5549, 0.2325, 0.3550



77.3877, 0.2324, 0.3567



32.0149, 0.1891, 0.1979



20.4525, 0.2992, 0.3311



40.4481, 0.2323, 0.3562



3.9460, 0.2313, 0.3528

Inverse Universe

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



21.7053, 0.6223, 0.3239



21.3190, 0.6327, 0.3259



32.5690, 0.5606, 0.3888



18.0128, 0.3281, 0.3270



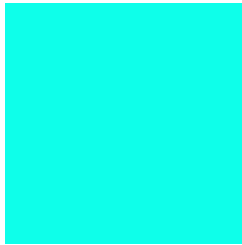
11.1484, 0.6307, 0.3248



1.0938, 0.6115, 0.3142

Previews

White Background



This preview shows how the Yxy color 77.5539, 0.2325, 0.3550 looks on a white background.

Color Contrast Check

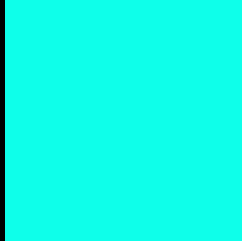
Large Text (above 18pt) WCAG AA × Fail

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 77.5539, 0.2325, 0.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

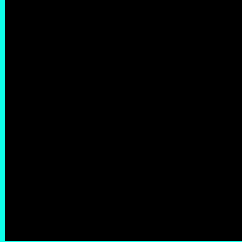
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

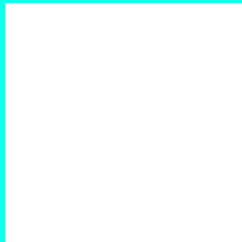
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5539, 0.2325, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 77.5539, 0.2325, 0.3550.

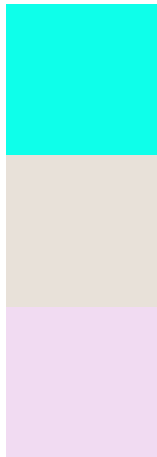


This preview shows how white text looks on a background with the Yxy color 77.5539, 0.2325, 0.3550.

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

77.5539, 0.2325, 0.3550

Protanopia

76.0160, 0.3229, 0.3375

Deuteranopia

75.7746, 0.3131, 0.3056



Tritanopia

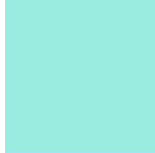
76.5202, 0.2531, 0.3129

Trichromacy



Original Color

77.5539, 0.2325, 0.3550



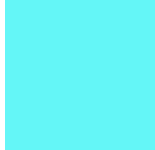
Protanomaly

72.0909, 0.2697, 0.3444



Deuteranomaly

71.3161, 0.2641, 0.3207



Tritanomaly

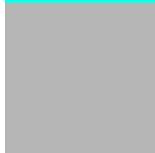
75.3363, 0.2392, 0.3276

Monochromacy



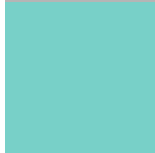
Original Color

77.5539, 0.2325, 0.3550



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.2750, 0.2598, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5539, 0.2325, 0.3550 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(14, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(14, 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(14, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 255, 234) }
```

Border

The CSS property to change the border of an element to Yxy 77.5539, 0.2325, 0.3550 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(14, 255, 234) }
```

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

```
.border{ border-color:rgb(14, 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(14, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(14, 255,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5539, 0.2325, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 255, 234) }
```

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

```
.background{ background-color: rgb(14, 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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