

Converting Colors

$Y_{xy}(74.3304, 0.2536, 0.3449)$

Have a look what the booklet for
Yxy(74.3304, 0.2536, 0.3449)
contains.

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Color

Yxy(74.6255, 0.2539, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	7BF4E6
RGB	123, 244, 230
RGB Percent	48%, 96%, 90%
CMY	0.5180, 0.0431, 0.0980
CMYK	0.50, 0.00, 0.06, 0.04
HSL	173°, 85%, 72%
HSV	173°, 50%, 96%
XYZ	54.7930, 74.6255, 86.3869
YIQ	206.2250, -67.6220, -30.0060

Conversions

Conversions Part 2

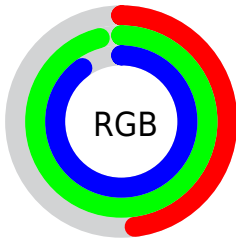
Format	Color
R _Y B	123, 187, 244
Decimal	8123622
CIE Lab	89.22, -37.39, -3.74
CIE LCh	89, 37.577, 185.715
Yxy	74.6255, 0.2539, 0.3458
Android (android.graphics.Color)	4286313702 (0xFF7BF4E6)
YUV	206.2250, 11.7211, -72.9883
Hunter-Lab	86.3861, -37.9565, 1.1797

Details

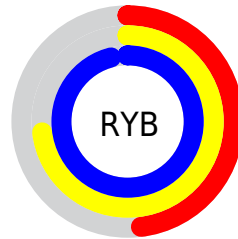
The Yxy color **74.6255, 0.2539, 0.3458** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.1827, 0.4368, 0.3143**, and the grayscale version is **61.8168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **39.5656, 0.2404, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **72.8919, 0.2463, 0.3498**, and if you desaturate by 10%, it is **76.8158, 0.2632, 0.3420**.

Distribution



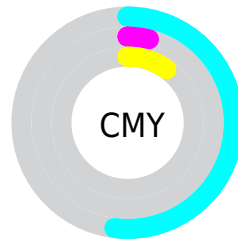
- Red (48%)
- Green (96%)
- Blue (90%)



- Red (48%)
- Yellow (73%)
- Blue (96%)



- Cyan (50%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)





- Cyan (52%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6255, 0.2539, 0.3458 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 74.6255, 0.2539, 0.3458 by changing the saturation by 10% instead.


 74.6255, 0.2539,
0.3458


 74.6255, 0.2539,
0.3458


476.6294, 0.2807,
0.3384


 55.3061, 0.2479,
0.3474


 125.7821, 0.2631,
0.3433

 39.6469, 0.2406,
0.3493


 158.3881, 0.2667,
0.3423

 27.2633, 0.2314,
0.3516


 196.1918, 0.2698,
0.3415

 17.7711, 0.2196,
0.3545

239.5776, 0.2725,
0.3407

 10.7858, 0.2039,
0.3582

288.9299, 0.2749,
0.3400

 5.9230, 0.1821,
0.3630

344.6330, 0.2770,

 2.7983, 0.1502,

0.3394

0.3690

407.0714, 0.2790,
0.3389

■ 1.0274, 0.0227,
0.4081

■ 0.0000, 0.0000,
0.0000

■ 74.6255, 0.2539,
0.3458

■ 74.6255, 0.2539,
0.3458

■ 72.8919, 0.2463,
0.3498

■ 76.8158, 0.2632,
0.3420

■ 71.5723, 0.2407,
0.3538


■ 79.4845, 0.2741,
0.3383

■ 70.6307, 0.2370,
0.3579

■ 82.6624, 0.2863,
0.3349

■ 70.0210, 0.2352,
0.3619

■ 86.3751, 0.2994,
0.3318

 69.6691, 0.2350,
0.3659


 90.6466, 0.3132,
0.3289

 69.6579, 0.2350,
0.3660

 92.6821, 0.3181,
0.3262

 92.8575, 0.3164,
0.3235

 93.0356, 0.3147,
0.3208

 93.1903, 0.3132,
0.3185

Harmonies

Analogous

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



74.6255, 0.2906, 0.3869



74.6255, 0.2539, 0.3458



74.6255, 0.2334, 0.3026

Triad

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



74.6255, 0.2539, 0.3458



74.6255, 0.2859, 0.2610



74.6255, 0.3993, 0.3799

Complementary

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



74.6255, 0.2539, 0.3458



35.1827, 0.4368, 0.3143

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.



74.6255, 0.3991, 0.3454



74.6255, 0.2539, 0.3458



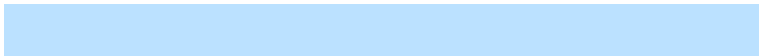
74.6255, 0.3309, 0.2798

Square

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



74.6255, 0.2539, 0.3458



74.6255, 0.2508, 0.2574



74.6255, 0.3734, 0.3098



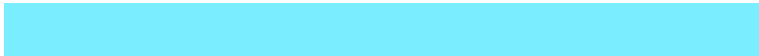
74.6255, 0.3751, 0.4045

Rectangle

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



74.6255, 0.2539, 0.3458



74.6255, 0.2305, 0.2799



74.6255, 0.3734, 0.3098



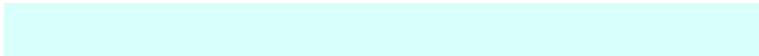
74.6255, 0.4022, 0.3690

Sweetspot

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



74.6284, 0.2539, 0.3458



93.1718, 0.2922, 0.3335



71.4597, 0.3130, 0.4836



19.7610, 0.2895, 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.



74.6284, 0.2539, 0.3458



80.4773, 0.2460, 0.3500



50.9382, 0.2364, 0.2701



18.7229, 0.2996, 0.3317



37.8841, 0.2348, 0.3654



3.3388, 0.2334, 0.3603

Inverse Universe

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



35.1827, 0.4368, 0.3143



32.1113, 0.4805, 0.3125



49.1635, 0.4254, 0.3794



16.5137, 0.3275, 0.3263



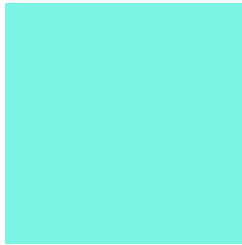
10.5140, 0.6260, 0.3222



0.9340, 0.6001, 0.3079

Previews

White Background



This preview shows how the Yxy color 74.6255, 0.2539, 0.3458 looks on a white background.

Color Contrast Check

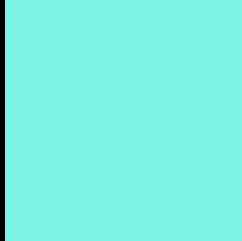
Large Text (above 18pt) WCAG AA × Fail

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 74.6255, 0.2539, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

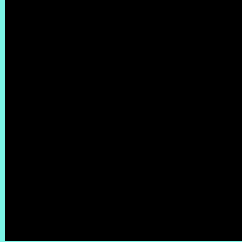
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

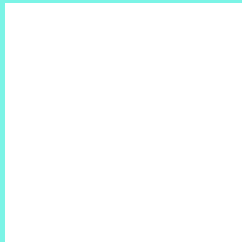
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6255, 0.2539, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 74.6255, 0.2539, 0.3458.

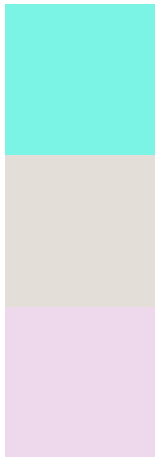


This preview shows how white text looks on a background with the Yxy color 74.6255, 0.2539, 0.3458.

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

74.6255, 0.2539, 0.3458

Protanopia

73.7463, 0.3203, 0.3344

Deuteranopia

73.3450, 0.3151, 0.3083



Tritanopia

74.5721, 0.2517, 0.3094

Trichromacy



Original Color

74.6255, 0.2539, 0.3458



Protanomaly

72.8147, 0.2912, 0.3381



Deuteranomaly

72.0690, 0.2878, 0.3200



Tritanomaly

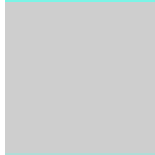
74.3773, 0.2521, 0.3218

Monochromacy



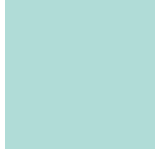
Original Color

74.6255, 0.2539, 0.3458



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.3228, 0.2859, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6255, 0.2539, 0.3458 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(123, 244, 230)` looks like.

```
.text, #text, p{  
    color:rgb(123, 244, 230)  
}
```

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(123, 244, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 244, 230) }
```

Border

The CSS property to change the border of an element to Yxy 74.6255, 0.2539, 0.3458 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(123, 244, 230) }
```

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

```
.border{ border-color:rgb(123, 244, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 244, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 244, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 244, 230);  
box-shadow:4px 4px 4px 4px rgb(123, 244,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6255, 0.2539, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 244, 230) }
```

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

```
.background{ background-color: rgb(123,  
244, 230) }
```

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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