

Converting Colors

$Yxy(76.4509, 0.2456, 0.3534)$

Have a look what the booklet for
Yxy(76.4509, 0.2456, 0.3534)
contains.

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Color

Yxy(76.5173, 0.2456, 0.3534)

Conversions

Conversions Part 1

Format	Color
Hex	5FFAE6
RGB	95, 250, 230
RGB Percent	37%, 98%, 90%
CMY	0.6279, 0.0195, 0.0981
CMYK	0.62, 0.00, 0.08, 0.02
HSL	172°, 94%, 68%
HSV	172°, 62%, 98%
XYZ	53.1767, 76.5173, 86.8235
YIQ	201.3750, -85.9600, -39.0800

Conversions

Conversions Part 2

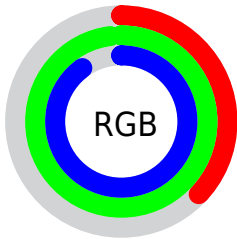
Format	Color
RYB	95, 178, 250
Decimal	6290150
CIELab	90.10, -45.32, -2.53
CIELCh	90, 45.393, 183.199
Yxy	76.5173, 0.2456, 0.3534
Android (android.graphics.Color)	4284480230 (0xFF5FFAE6)
YUV	201.3750, 14.1121, -93.2909
Hunter-Lab	87.4742, -44.5673, 2.3829

Details

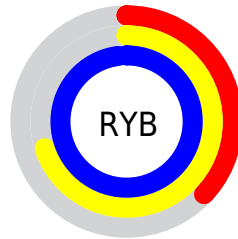
The Yxy color **76.5173, 0.2456, 0.3534** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **29.7242, 0.4865, 0.3103**, and the grayscale version is **58.5847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **41.2351, 0.2328, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **75.2118, 0.2405, 0.3580**, and if you desaturate by 10%, it is **78.2613, 0.2526, 0.3489**.

Distribution



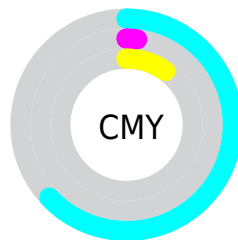
- Red (37%)
- Green (98%)
- Blue (90%)



- Red (37%)
- Yellow (70%)
- Blue (98%)



- Cyan (62%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (63%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.5173, 0.2456, 0.3534 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 76.5173, 0.2456, 0.3534 by changing the saturation by 10% instead.

 76.5173, 0.2456,
0.3534

 76.5173, 0.2456,
0.3534


483.1167, 0.2760,
0.3426

 56.8568, 0.2388,
0.3558


 128.4579, 0.2560,
0.3497

 40.8903, 0.2306,
0.3586


 161.5067, 0.2601,
0.3483

 28.2334, 0.2203,
0.3621


 199.7872, 0.2636,
0.3470

 18.5016, 0.2072,
0.3665

243.6836, 0.2667,
0.3459

 11.3107, 0.1898,
0.3722

293.5803, 0.2694,
0.3449

 6.2762, 0.1660,
0.3797


349.8618, 0.2719,


 3.0138, 0.1319,


0.3441


0.3898


412.9125, 0.2740,
0.3433


 1.1389, 0.0000,
0.4380


 0.0110, 0.0000,
0.0548


 76.5173, 0.2456,
0.3534


 76.5173, 0.2456,
0.3534


 75.2118, 0.2405,
0.3580


 78.2613, 0.2526,
0.3489

 74.2932, 0.2375,
0.3625

 80.4720, 0.2614,
0.3446

 73.7126, 0.2362,
0.3671

 83.1857, 0.2718,
0.3404

 73.4301, 0.2363,
0.3707

 86.4325, 0.2836,
0.3365

 90.2402, 0.2964,
0.3329

 94.6345, 0.3099,
0.3296

 96.7064, 0.3144,
0.3266

 96.8613, 0.3129,
0.3243

Harmonies

Analogous

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



76.5173, 0.2899, 0.4029



76.5173, 0.2456, 0.3534



76.5173, 0.2202, 0.3004

Triad

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



76.5173, 0.2456, 0.3534



76.5173, 0.2763, 0.2480



76.5173, 0.4173, 0.3850

Complementary

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



76.5173, 0.2456, 0.3534



29.7242, 0.4865, 0.3103

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.



76.5173, 0.4149, 0.3436



76.5173, 0.2456, 0.3534



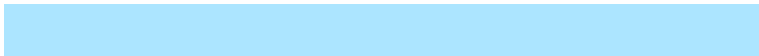
76.5173, 0.3294, 0.2686

Square

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



76.5173, 0.2456, 0.3534



76.5173, 0.2368, 0.2450



76.5173, 0.3817, 0.3025



76.5173, 0.3898, 0.4170

Rectangle

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



76.5173, 0.2456, 0.3534



76.5173, 0.2157, 0.2728



76.5173, 0.3817, 0.3025



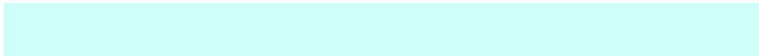
76.5173, 0.4201, 0.3717

Sweetspot

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



76.5203, 0.2456, 0.3534



91.5445, 0.2874, 0.3354



72.8881, 0.3125, 0.5249



19.3627, 0.2838, 0.3365



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.



76.5203, 0.2456, 0.3534



78.4383, 0.2398, 0.3589



47.5271, 0.2207, 0.2554



19.5678, 0.2998, 0.3321



38.9591, 0.2361, 0.3699



3.6187, 0.2346, 0.3645

Inverse Universe

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



29.7242, 0.4865, 0.3103



25.9409, 0.5401, 0.3108



43.5294, 0.4677, 0.3865



17.2617, 0.3274, 0.3260



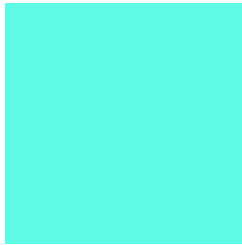
10.8479, 0.6238, 0.3210



1.0158, 0.5974, 0.3065

Previews

White Background



This preview shows how the Yxy color 76.5173, 0.2456, 0.3534 looks on a white background.

Color Contrast Check

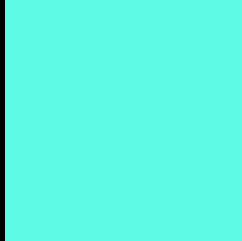
Large Text (above 18pt) WCAG AA × Fail

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 76.5173, 0.2456, 0.3534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

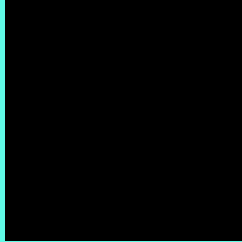
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5173, 0.2456, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 76.5173, 0.2456, 0.3534.

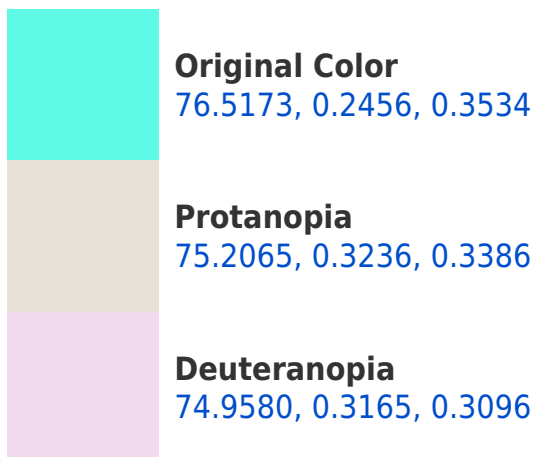


This preview shows how white text looks on a background with the Yxy color 76.5173, 0.2456, 0.3534.

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

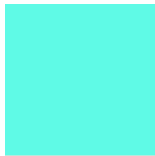




Tritanopia

76.1195, 0.2539, 0.3118

Trichromacy



Original Color

76.5173, 0.2456, 0.3534



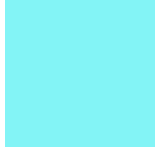
Protanomaly

73.2689, 0.2869, 0.3440



Deuteranomaly

73.2255, 0.2830, 0.3244



Tritanomaly

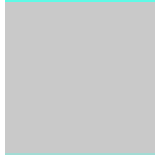
76.1805, 0.2500, 0.3265

Monochromacy



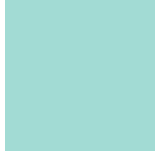
Original Color

76.5173, 0.2456, 0.3534



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.0979, 0.2788, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5173, 0.2456, 0.3534 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(95, 250, 230)` looks like.

```
.text, #text, p{  
    color:rgb(95, 250, 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(95, 250, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 250, 230) }
```

Border

The CSS property to change the border of an element to Yxy 76.5173, 0.2456, 0.3534 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(95, 250, 230) }
```

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

```
.border{ border-color:rgb(95, 250, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 250, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 250, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 250, 230);  
box-shadow:4px 4px 4px 4px rgb(95, 250,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5173, 0.2456, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 250, 230) }
```

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

```
.background{ background-color: rgb(95, 250,  
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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