

Converting Colors

$Y_{xy}(76.4287, 0.2321, 0.3414)$

Have a look what the booklet for
Yxy(76.4287, 0.2321, 0.3414)
contains.

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Color

Yxy(76.6755, 0.2324, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	33FCF1
RGB	51, 252, 241
RGB Percent	20%, 99%, 95%
CMY	0.7993, 0.0118, 0.0549
CMYK	0.80, 0.00, 0.04, 0.01
HSL	177°, 97%, 59%
HSV	177°, 80%, 99%
XYZ	52.0578, 76.6755, 95.2676
YIQ	190.6470, -116.2650, -46.0330

Conversions

Conversions Part 2

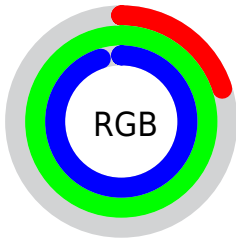
Format	Color
RYB	51, 154, 252
Decimal	3407089
CIELab	90.17, -48.55, -8.23
CIELCh	90, 49.241, 189.627
Yxy	76.6755, 0.2324, 0.3423
Android (android.graphics.Color)	4281597169 (0xFF33FCF1)
YUV	190.6470, 24.8240, -122.4704
Hunter-Lab	87.5645, -47.1183, -3.2105

Details

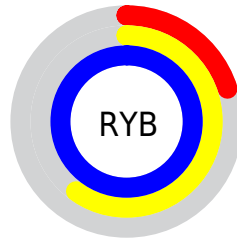
The Yxy color **76.6755, 0.2324, 0.3423** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.4283, 0.5820, 0.3231**, and the grayscale version is **51.8206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **42.5330, 0.2291, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **76.1070, 0.2302, 0.3441**, and if you desaturate by 10%, it is **77.6049, 0.2365, 0.3405**.

Distribution



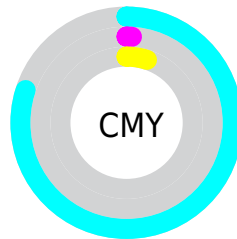
- Red (20%)
- Green (99%)
- Blue (95%)



- Red (20%)
- Yellow (60%)
- Blue (99%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)





- Cyan (80%)
- Magenta (1%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6755, 0.2324, 0.3423 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 76.6755, 0.2324, 0.3423 by changing the saturation by 10% instead.


 76.6755, 0.2324,
0.3423


 76.6755, 0.2324,
0.3423


483.6569, 0.2683,
0.3371


 56.9866, 0.2245,
0.3432


 128.6813, 0.2446,
0.3407


 40.9945, 0.2150,
0.3443


 161.7670, 0.2494,
0.3400

 28.3148, 0.2032,
0.3454


 200.0871, 0.2536,
0.3394

 18.5631, 0.1882,
0.3466

 244.0259, 0.2573,
0.3389

 11.3550, 0.1689,
0.3476

293.9679, 0.2605,
0.3384

 6.3061, 0.1429,
0.3480

350.2975, 0.2634,

 3.0321, 0.1074,

0.3379

413.3990, 0.2660,
0.3375

0.3460

1.1485, 0.0000,
0.3571

0.0190, 0.0000,
0.0309

76.6755, 0.2324,
0.3423

76.6755, 0.2324,
0.3423

76.1070, 0.2302,
0.3441

77.6049, 0.2365,
0.3405


75.8111, 0.2295,
0.3459

78.9365, 0.2425,
0.3386

75.8036, 0.2295,
0.3460

80.7155, 0.2505,
0.3368

82.9785, 0.2603,
0.3350

 85.7586, 0.2717,
0.3334

 89.0859, 0.2846,
0.3318

 92.9882, 0.2985,
0.3303

 97.4914, 0.3132,
0.3290

 97.9983, 0.3138,
0.3276

Harmonies

Analogous

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



76.6755, 0.2762, 0.3997



76.6755, 0.2324, 0.3423



76.6755, 0.2104, 0.2870

Triad

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



76.6755, 0.2324, 0.3423



76.6755, 0.2846, 0.2454



76.6755, 0.4217, 0.3973

Complementary

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



76.6755, 0.2324, 0.3423



23.4283, 0.5820, 0.3231

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.



76.6755, 0.4271, 0.3539



76.6755, 0.2324, 0.3423



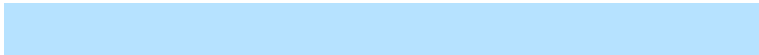
76.6755, 0.3434, 0.2708

Square

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



76.6755, 0.2324, 0.3423



76.6755, 0.2383, 0.2376



76.6755, 0.3976, 0.3092



76.6755, 0.3860, 0.4288

Rectangle

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



76.6755, 0.2324, 0.3423



76.6755, 0.2093, 0.2604



76.6755, 0.3976, 0.3092



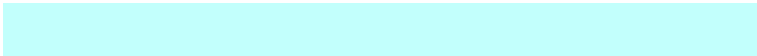
76.6755, 0.4273, 0.3835

Sweetspot

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



76.6784, 0.2324, 0.3423



89.9687, 0.2789, 0.3324



70.9692, 0.3044, 0.5751



19.0011, 0.2743, 0.3330



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.



76.6784, 0.2324, 0.3423



77.9716, 0.2296, 0.3453



34.6386, 0.1974, 0.2111



19.5912, 0.2988, 0.3303



39.4950, 0.2294, 0.3457



3.6628, 0.2288, 0.3435

Inverse Universe

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



23.4283, 0.5820, 0.3231



21.5458, 0.6302, 0.3271



39.1704, 0.5134, 0.4033



17.2406, 0.3285, 0.3277



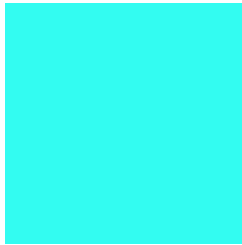
10.8032, 0.6345, 0.3269



1.0058, 0.6210, 0.3195

Previews

White Background



This preview shows how the Yxy color 76.6755, 0.2324, 0.3423 looks on a white background.

Color Contrast Check

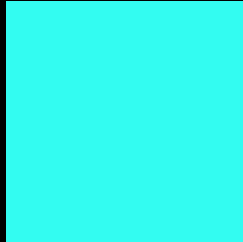
Large Text (above 18pt) WCAG AA × Fail

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 76.6755, 0.2324, 0.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

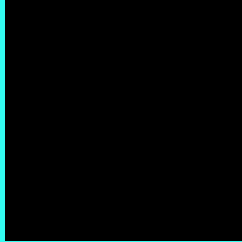
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6755, 0.2324, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 76.6755, 0.2324, 0.3423.

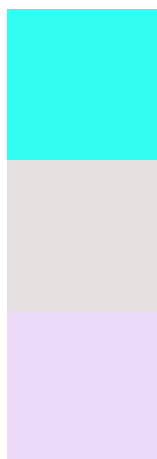


This preview shows how white text looks on a background with the Yxy color 76.6755, 0.2324, 0.3423.

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

76.6755, 0.2324, 0.3423

Protanopia

75.3511, 0.3162, 0.3290

Deuteranopia

75.2732, 0.3057, 0.2994



Tritanopia

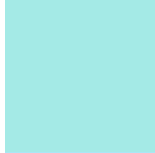
76.1503, 0.2514, 0.3128

Trichromacy



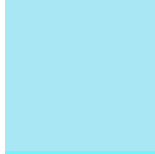
Original Color

76.6755, 0.2324, 0.3423



Protanomaly

72.4513, 0.2717, 0.3336



Deuteranomaly

72.1794, 0.2663, 0.3129



Tritanomaly

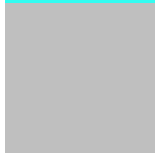
75.5865, 0.2412, 0.3229

Monochromacy



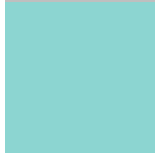
Original Color

76.6755, 0.2324, 0.3423



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.7674, 0.2667, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6755, 0.2324, 0.3423 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, 252, 241)` looks like.

```
.text, #text, p{  
    color:rgb(51, 252, 241)  
}
```

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, 252, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 252, 241) }
```

Border

The CSS property to change the border of an element to Yxy 76.6755, 0.2324, 0.3423 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, 252, 241) }
```

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

```
.border{ border-color:rgb(51, 252, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 252, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 252, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 252, 241);  
box-shadow:4px 4px 4px 4px rgb(51, 252,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6755, 0.2324, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 252, 241) }
```

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

```
.background{ background-color: rgb(51, 252,  
241) }
```

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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