

Converting Colors

$Y_{xy}(79.0775, 0.2402, 0.3532)$

Have a look what the booklet for
Yxy(79.0775, 0.2402, 0.3532)
contains.

Yxy(79.0959, 0.2403, 0.3532)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.0959, 0.2403, 0.3532)

Conversions

Conversions Part 1

Format	Color
Hex	4DFFEB
RGB	77, 255, 235
RGB Percent	30%, 100%, 92%
CMY	0.6982, 0.0000, 0.0784
CMYK	0.70, 0.00, 0.08, 0.00
HSL	173°, 100%, 65%
HSV	173°, 70%, 100%
XYZ	53.8130, 79.0959, 91.0319
YIQ	199.4980, -99.6680, -43.9560

Conversions

Conversions Part 2

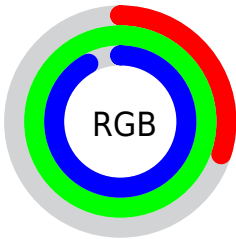
Format	Color
RYB	77, 171, 255
Decimal	5111787
CIELab	91.28, -48.77, -3.45
CIELCh	91, 48.888, 184.047
Yxy	79.0959, 0.2403, 0.3532
Android (android.graphics.Color)	4283301867 (0xFF4DFFEB)
YUV	199.4980, 17.5025, -107.4307
Hunter-Lab	88.9359, -47.6317, 1.5677

Details

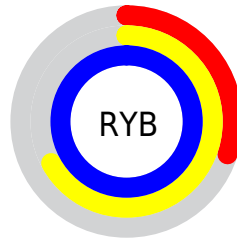
The Yxy color **79.0959, 0.2403, 0.3532** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.4228, 0.5255, 0.3129**, and the grayscale version is **57.3610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **43.1872, 0.2327, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **78.0699, 0.2367, 0.3571**, and if you desaturate by 10%, it is **80.5366, 0.2459, 0.3493**.

Distribution



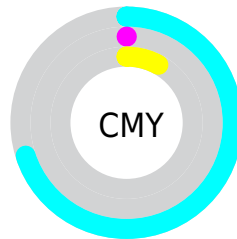
- Red (30%)
- Green (100%)
- Blue (92%)



- Red (30%)
- Yellow (67%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (70%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.0959, 0.2403, 0.3532 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 79.0959, 0.2403, 0.3532 by changing the saturation by 10% instead.


 79.0959, 0.2403,
0.3532

 79.0959, 0.2403,
0.3532


491.8807, 0.2728,
0.3426


 58.9747, 0.2331,
0.3555


 132.0939, 0.2514,
0.3497

 42.5927, 0.2244,
0.3581


 165.7394, 0.2557,
0.3483

 29.5657, 0.2137,
0.3614


 204.6618, 0.2595,
0.3470

 19.5092, 0.2000,
0.3655

 249.2454, 0.2628,
0.3459

 12.0388, 0.1820,
0.3706

299.8748, 0.2658,
0.3450

 6.7701, 0.1578,
0.3772

356.9342, 0.2684,

 3.3187, 0.1238,

0.3441

420.8080, 0.2707,
0.3433

0.3854

1.3003, 0.0000,
0.4262

0.1414, 0.0000,
0.2636

79.0959, 0.2403,
0.3532

79.0959, 0.2403,
0.3532

78.0699, 0.2367,
0.3571

80.5366, 0.2459,
0.3493

77.4118, 0.2349,
0.3611

82.4403, 0.2535,
0.3454

77.0368, 0.2347,
0.3649

84.8434, 0.2628,
0.3417

77.0311, 0.2347,
0.3650

87.7799, 0.2737,
0.3382

■ 91.2808, 0.2859,
0.3348

■ 95.3749, 0.2991,
0.3318

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



79.0959, 0.2866, 0.4069



79.0959, 0.2403, 0.3532



79.0959, 0.2143, 0.2968

Triad

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



79.0959, 0.2403, 0.3532



79.0959, 0.2754, 0.2438



79.0959, 0.4234, 0.3890

Complementary

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



79.0959, 0.2403, 0.3532



27.4228, 0.5255, 0.3129

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.



79.0959, 0.4222, 0.3453



79.0959, 0.2403, 0.3532



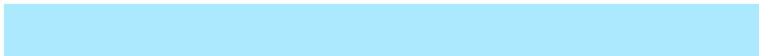
79.0959, 0.3319, 0.2659

Square

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



79.0959, 0.2403, 0.3532



79.0959, 0.2331, 0.2399



79.0959, 0.3876, 0.3018



79.0959, 0.3931, 0.4230

Rectangle

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



79.0959, 0.2403, 0.3532



79.0959, 0.2101, 0.2679



79.0959, 0.3876, 0.3018



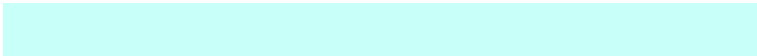
79.0959, 0.4269, 0.3749

Sweetspot

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



79.0943, 0.2403, 0.3532



90.8387, 0.2844, 0.3352



74.6364, 0.3097, 0.5490



19.2280, 0.2809, 0.3361



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.



79.0943, 0.2403, 0.3532



77.7539, 0.2357, 0.3588



44.2293, 0.2108, 0.2402



20.4443, 0.2995, 0.3317



40.2645, 0.2345, 0.3644



3.9300, 0.2333, 0.3599

Inverse Universe

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



27.4228, 0.5255, 0.3129



23.2120, 0.5856, 0.3163



42.1079, 0.4919, 0.3928



18.0202, 0.3277, 0.3264



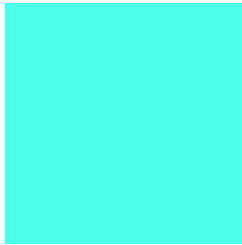
11.1647, 0.6269, 0.3227



1.0973, 0.6039, 0.3100

Previews

White Background



This preview shows how the Yxy color 79.0959, 0.2403, 0.3532 looks on a white background.

Color Contrast Check

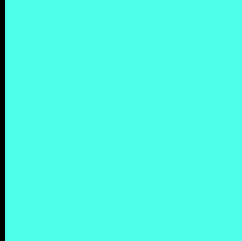
Large Text (above 18pt) WCAG AA × Fail

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 79.0959, 0.2403, 0.3532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

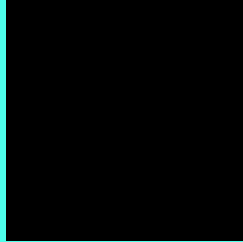
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

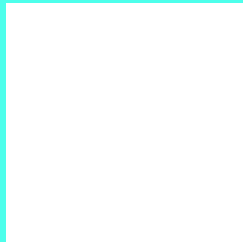
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.0959, 0.2403, 0.3532

Background



This preview shows how black text looks on a background with the Yxy color 79.0959, 0.2403, 0.3532.

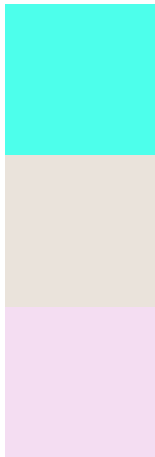


This preview shows how white text looks on a background with the Yxy color 79.0959, 0.2403, 0.3532.

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

79.0959, 0.2403, 0.3532

Protanopia

77.5451, 0.3228, 0.3374

Deuteranopia

77.3568, 0.3151, 0.3078



Tritanopia

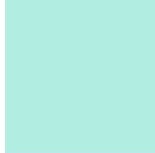
78.4056, 0.2594, 0.3143

Trichromacy



Original Color

79.0959, 0.2403, 0.3532



Protanomaly

75.3517, 0.2820, 0.3427



Deuteranomaly

74.5771, 0.2775, 0.3222



Tritanomaly

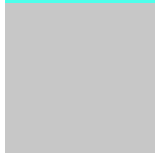
78.1241, 0.2498, 0.3277

Monochromacy



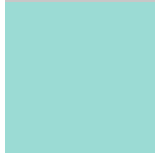
Original Color

79.0959, 0.2403, 0.3532



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.3851, 0.2746, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.0959, 0.2403, 0.3532 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(77, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 235)  
}
```

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(77, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 235) }
```

Border

The CSS property to change the border of an element to Yxy 79.0959, 0.2403, 0.3532 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(77, 255, 235) }
```

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

```
.border{ border-color:rgb(77, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 79.0959, 0.2403, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 235) }
```

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

```
.background{ background-color: rgb(77, 255,  
235) }
```

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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