

Converting Colors

$Yxy(76.1563, 0.2413, 0.3598)$

Have a look what the booklet for
Yxy(76.1563, 0.2413, 0.3598)
contains.

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Color

Yxy(75.8800, 0.2410, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	47FBE3
RGB	71, 251, 227
RGB Percent	28%, 98%, 89%
CMY	0.7211, 0.0157, 0.1098
CMYK	0.72, 0.00, 0.10, 0.02
HSL	172°, 96%, 63%
HSV	172°, 72%, 98%
XYZ	50.9673, 75.8800, 84.6354
YIQ	194.4440, -99.5760, -45.6240

Conversions

Conversions Part 2

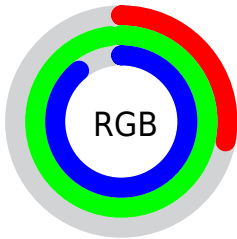
Format	Color
RYB	71, 167, 251
Decimal	4717539
CIELab	89.80, -49.84, -1.47
CIElCh	90, 49.858, 181.691
Yxy	75.8800, 0.2410, 0.3588
Android (android.graphics.Color)	4282907619 (0xFF47FBE3)
YUV	194.4440, 16.0501, -108.2604
Hunter-Lab	87.1091, -48.0011, 3.3701

Details

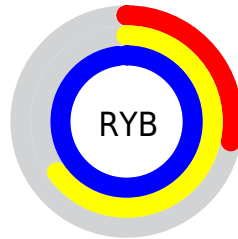
The Yxy color **75.8800, 0.2410, 0.3588** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.8590, 0.5284, 0.3097**, and the grayscale version is **54.1944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **41.5621, 0.2347, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **74.9370, 0.2379, 0.3635**, and if you desaturate by 10%, it is **77.2242, 0.2461, 0.3541**.

Distribution



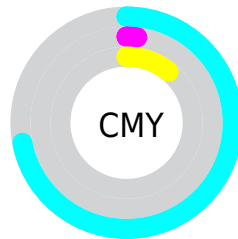
- Red (28%)
- Green (98%)
- Blue (89%)



- Red (28%)
- Yellow (65%)
- Blue (98%)



- Cyan (72%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)



- Cyan (72%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8800, 0.2410, 0.3588 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 75.8800, 0.2410, 0.3588 by changing the saturation by 10% instead.


 75.8800, 0.2410,
0.3588

 75.8800, 0.2410,
0.3588


480.9368, 0.2735,
0.3454

 56.3341, 0.2338,
0.3617

 127.5573, 0.2521,
0.3542


 40.4709, 0.2249,
0.3653


 160.4574, 0.2565,
0.3525

 27.9059, 0.2139,
0.3697


 198.5778, 0.2603,
0.3509

 18.2547, 0.1998,
0.3754

 242.3028, 0.2636,
0.3495

 11.1330, 0.1812,
0.3827

292.0168, 0.2665,
0.3483

 6.1564, 0.1559,
0.3925

348.1042, 0.2691,

 2.9404, 0.1198,

0.3473

0.4059

410.9494, 0.2714,
0.3463

■ 1.1007, 0.0000,
0.4545

■ 0.0000, 0.0000,
0.0000

■ 75.8800, 0.2410,
0.3588

■ 75.8800, 0.2410,
0.3588

■ 74.9370, 0.2379,
0.3635

■ 77.2242, 0.2461,
0.3541

■ 74.3347, 0.2366,
0.3683


■ 79.0039, 0.2532,
0.3494


■ 74.0291, 0.2367,
0.3721

■ 81.2593, 0.2620,
0.3450

■ 84.0238, 0.2724,
0.3407

 87.3277, 0.2842,
0.3367

 91.1989, 0.2969,
0.3329

 95.6636, 0.3104,
0.3295

 97.3945, 0.3136,
0.3263

 97.4724, 0.3129,
0.3252

Harmonies

Analogous

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



75.8800, 0.2900, 0.4133



75.8800, 0.2410, 0.3588



75.8800, 0.2125, 0.2996

Triad

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



75.8800, 0.2410, 0.3588



75.8800, 0.2700, 0.2402



75.8800, 0.4282, 0.3872

Complementary

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



75.8800, 0.2410, 0.3588



25.8590, 0.5284, 0.3097

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.



75.8800, 0.4243, 0.3419



75.8800, 0.2410, 0.3588



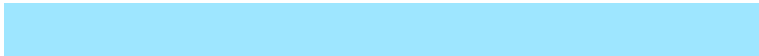
75.8800, 0.3277, 0.2617

Square

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



75.8800, 0.2410, 0.3588



75.8800, 0.2281, 0.2377



75.8800, 0.3861, 0.2976



75.8800, 0.3990, 0.4238

Rectangle

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



75.8800, 0.2410, 0.3588



75.8800, 0.2070, 0.2688



75.8800, 0.3861, 0.2976



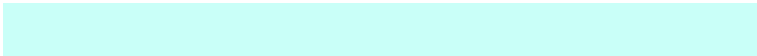
75.8800, 0.4310, 0.3725

Sweetspot

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



75.8829, 0.2410, 0.3588



90.7684, 0.2850, 0.3364



72.0513, 0.3118, 0.5522



19.2110, 0.2816, 0.3375



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.



75.8829, 0.2410, 0.3588



77.3669, 0.2371, 0.3656



44.2929, 0.2110, 0.2459



19.5664, 0.2998, 0.3322



38.9297, 0.2365, 0.3714



3.6163, 0.2349, 0.3657

Inverse Universe

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



25.8590, 0.5284, 0.3097



22.8847, 0.5877, 0.3141



38.0370, 0.5036, 0.3873



17.2629, 0.3273, 0.3259



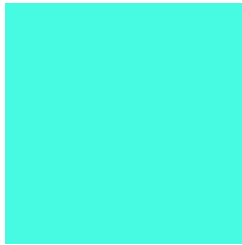
10.8514, 0.6230, 0.3205



1.0163, 0.5961, 0.3058

Previews

White Background



This preview shows how the Yxy color 75.8800, 0.2410, 0.3588 looks on a white background.

Color Contrast Check

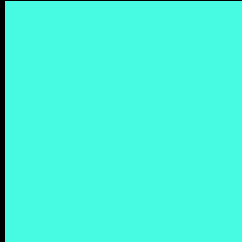
Large Text (above 18pt) WCAG AA × Fail

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 75.8800, 0.2410, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

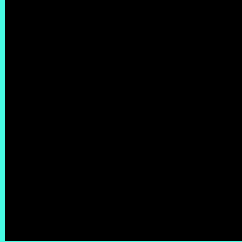
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8800, 0.2410, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 75.8800, 0.2410, 0.3588.

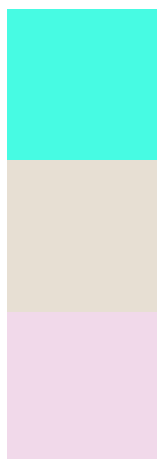


This preview shows how white text looks on a background with the Yxy color 75.8800, 0.2410, 0.3588.

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

75.8800, 0.2410, 0.3588

Protanopia

74.4674, 0.3264, 0.3419

Deuteranopia

74.2670, 0.3186, 0.3115



Tritanopia

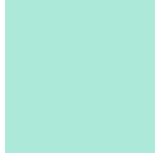
75.3798, 0.2503, 0.3116

Trichromacy



Original Color

75.8800, 0.2410, 0.3588



Protanomaly

72.1718, 0.2838, 0.3477



Deuteranomaly

71.3919, 0.2792, 0.3266



Tritanomaly

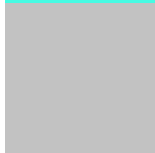
75.0758, 0.2451, 0.3276

Monochromacy



Original Color

75.8800, 0.2410, 0.3588



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4467, 0.2739, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8800, 0.2410, 0.3588 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(71, 251, 227)` looks like.

```
.text, #text, p{  
    color:rgb(71, 251, 227)  
}
```

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(71, 251, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 251, 227) }
```

Border

The CSS property to change the border of an element to Yxy 75.8800, 0.2410, 0.3588 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(71, 251, 227) }
```

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

```
.border{ border-color:rgb(71, 251, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 251, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 251, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 251, 227);  
box-shadow:4px 4px 4px 4px rgb(71, 251,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8800, 0.2410, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 251, 227) }
```

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

```
.background{ background-color: rgb(71, 251,  
227) }
```

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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