

Converting Colors

$Y_{xy}(76.7776, 0.2392, 0.3765)$

Have a look what the booklet for
Yxy(76.7776, 0.2392, 0.3765)
contains.

Yxy(76.7886, 0.2391, 0.3761)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.7886, 0.2391, 0.3761)

Conversions

Conversions Part 1

Format	Color
Hex	19FFDA
RGB	25, 255, 218
RGB Percent	10%, 100%, 85%
CMY	0.9011, 0.0000, 0.1452
CMYK	0.90, 0.00, 0.15, 0.00
HSL	170°, 100%, 55%
HSV	170°, 90%, 100%
XYZ	48.8172, 76.7886, 78.5649
YIQ	182.0120, -125.2030, -60.2670

Conversions

Conversions Part 2

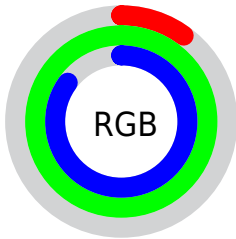
Format	Color
R _Y B	25, 150, 255
Decimal	1703898
CIE Lab	90.22, -57.44, 3.76
CIE LCh	90, 57.567, 176.255
Yxy	76.7886, 0.2391, 0.3761
Android (android.graphics.Color)	4279893978 (0xFF19FFDA)
YUV	182.0120, 17.7421, -137.6995
Hunter-Lab	87.6291, -53.9105, 8.1832

Details

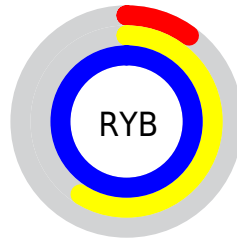
The Yxy color **76.7886, 0.2391, 0.3761** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.3150, 0.5944, 0.3123**, and the grayscale version is **46.7745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **42.5768, 0.2403, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **76.3709, 0.2394, 0.3818**, and if you desaturate by 10%, it is **77.4953, 0.2404, 0.3703**.

Distribution



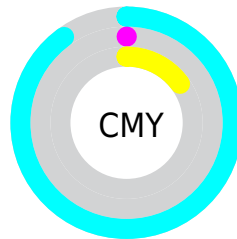
- Red (10%)
- Green (100%)
- Blue (85%)



- Red (10%)
- Yellow (59%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.7886, 0.2391, 0.3761 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 76.7886, 0.2391, 0.3761 by changing the saturation by 10% instead.


 76.7886, 0.2391,
0.3761


 76.7886, 0.2391,
0.3761


484.0430, 0.2727,
0.3543


 57.0794, 0.2316,
0.3811


 128.8410, 0.2506,
0.3685


 41.0690, 0.2224,
0.3872

 161.9530, 0.2552,
0.3656

 28.3730, 0.2109,
0.3949


 200.3014, 0.2591,
0.3631

 18.6070, 0.1962,
0.4050

 244.2706, 0.2625,
0.3608

 11.3867, 0.1767,
0.4186

294.2449, 0.2655,
0.3589

 6.3275, 0.1500,
0.4377


350.6088, 0.2682,


 3.0453, 0.1113,

0.3572

0.4668


413.7467, 0.2705,
0.3557

 1.1554, 0.0000,
0.5437


 0.0248, 0.0000,
1.0000


 76.7886, 0.2391,
0.3761


 76.7886, 0.2391,
0.3761


 76.3709, 0.2394,
0.3818

 77.4953, 0.2404,
0.3703


 78.5673, 0.2436,
0.3645

 80.0587, 0.2488,
0.3587

 82.0131, 0.2559,
0.3530

 84.4686, 0.2648,
0.3476

 87.4595, 0.2752,
0.3424

 91.0167, 0.2868,
0.3376

 95.1692, 0.2994,
0.3331

99.9435, 0.3126,
0.3290

Harmonies

Analogous

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



76.7886, 0.2974, 0.4358



76.7886, 0.2391, 0.3761



76.7886, 0.2028, 0.3055

Triad

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



76.7886, 0.2391, 0.3761



76.7886, 0.2534, 0.2267



76.7886, 0.4472, 0.3842

Complementary

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



76.7886, 0.2391, 0.3761



22.3150, 0.5944, 0.3123

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.



76.7886, 0.4359, 0.3328



76.7886, 0.2391, 0.3761



76.7886, 0.3166, 0.2472

Square

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



76.7886, 0.2391, 0.3761



76.7886, 0.2110, 0.2275



76.7886, 0.3858, 0.2847



76.7886, 0.4188, 0.4299

Rectangle

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



76.7886, 0.2391, 0.3761



76.7886, 0.1937, 0.2677



76.7886, 0.3858, 0.2847



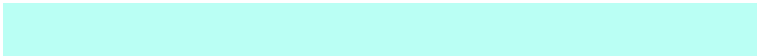
76.7886, 0.4482, 0.3672

Sweetspot

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



76.7905, 0.2391, 0.3761



88.5040, 0.2787, 0.3409



72.6649, 0.3075, 0.5877



18.6987, 0.2749, 0.3426



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.



76.7905, 0.2391, 0.3761



76.3709, 0.2394, 0.3818



39.4320, 0.1977, 0.2262



20.4282, 0.3002, 0.3328



39.9242, 0.2391, 0.3808



3.9001, 0.2373, 0.3742

Inverse Universe

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



22.3150, 0.5944, 0.3123



21.4207, 0.6205, 0.3192



30.7969, 0.5670, 0.3784



18.0348, 0.3269, 0.3252



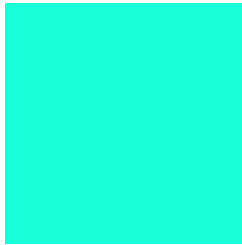
11.2067, 0.6174, 0.3175



1.1041, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 76.7886, 0.2391, 0.3761 looks on a white background.

Color Contrast Check

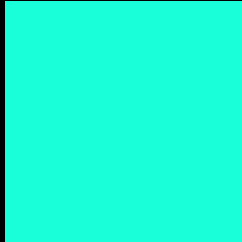
Large Text (above 18pt) WCAG AA × Fail

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 76.7886, 0.2391, 0.3761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

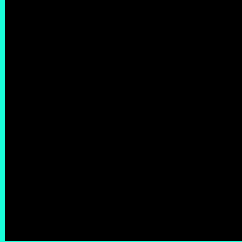
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7886, 0.2391, 0.3761

Background



This preview shows how black text looks on a background with the Yxy color 76.7886, 0.2391, 0.3761.

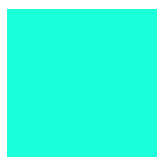


This preview shows how white text looks on a background with the Yxy color 76.7886, 0.2391, 0.3761.

Color Blindness Simulation

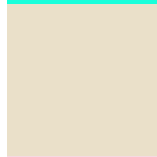
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



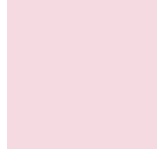
Original Color

76.7886, 0.2391, 0.3761



Protanopia

75.0208, 0.3353, 0.3536



Deuteranopia

75.2266, 0.3276, 0.3209



Tritanopia

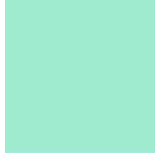
76.1503, 0.2514, 0.3128

Trichromacy



Original Color

76.7886, 0.2391, 0.3761



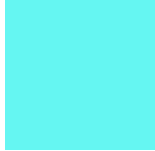
Protanomaly

71.1908, 0.2808, 0.3630



Deuteranomaly

70.5865, 0.2762, 0.3384



Tritanomaly

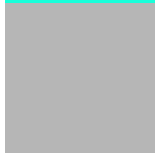
75.0890, 0.2415, 0.3336

Monochromacy



Original Color

76.7886, 0.2391, 0.3761



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.9010, 0.2654, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7886, 0.2391, 0.3761 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(25, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 218)  
}
```

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(25, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 76.7886, 0.2391, 0.3761 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(25, 255, 218) }
```

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

```
.border{ border-color:rgb(25, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7886, 0.2391, 0.3761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 218) }
```

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

```
.background{ background-color: rgb(25, 255,  
218) }
```

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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