

Converting Colors

$Y_{xy}(76.5489, 0.2281, 0.3383)$

Have a look what the booklet for
Yxy(76.5489, 0.2281, 0.3383)
contains.

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Color

Yxy(76.3518, 0.2278, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	12FCF5
RGB	18, 252, 245
RGB Percent	7%, 99%, 96%
CMY	0.9276, 0.0117, 0.0393
CMYK	0.93, 0.00, 0.03, 0.01
HSL	178°, 98%, 53%
HSV	178°, 93%, 99%
XYZ	51.5499, 76.3518, 98.3929
YIQ	181.2360, -137.2170, -51.7850

Conversions

Conversions Part 2

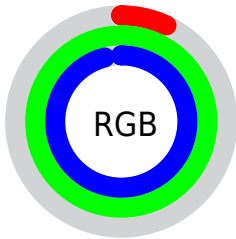
Format	Color
RYB	18, 137, 252
Decimal	1244405
CIELab	90.02, -49.24, -10.56
CIElCh	90, 50.358, 192.107
Yxy	76.3518, 0.2278, 0.3374
Android (android.graphics.Color)	4279434485 (0xFF12FCF5)
YUV	181.2360, 31.4357, -143.1580
Hunter-Lab	87.3795, -47.6073, -5.5973

Details

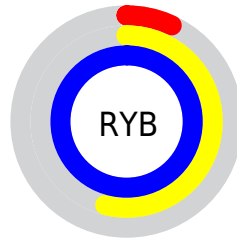
The Yxy color **76.3518, 0.2278, 0.3374** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.2182, 0.6270, 0.3281**, and the grayscale version is **46.3073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **42.7043, 0.2273, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **76.1877, 0.2273, 0.3381**, and if you desaturate by 10%, it is **76.7960, 0.2297, 0.3364**.

Distribution



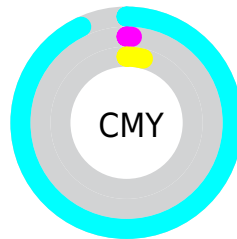
- Red (7%)
- Green (99%)
- Blue (96%)



- Red (7%)
- Yellow (54%)
- Blue (99%)



- Cyan (93%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)





- Cyan (93%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3518, 0.2278, 0.3374 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 76.3518, 0.2278, 0.3374 by changing the saturation by 10% instead.


 76.3518, 0.2278,
0.3374

 76.3518, 0.2278,
0.3374

482.5511, 0.2657,
0.3347

 56.7210, 0.2195,
0.3377


 128.2241, 0.2406,
0.3367

 40.7813, 0.2095,
0.3380


 161.2344, 0.2457,
0.3363

 28.1482, 0.1972,
0.3382


 199.4733, 0.2501,
0.3360

 18.4374, 0.1817,
0.3380

 243.3252, 0.2540,
0.3357

 11.2645, 0.1617,
0.3371

293.1746, 0.2574,
0.3354

 6.2450, 0.1352,
0.3347


349.4058, 0.2605,


 2.9946, 0.0993,


0.3352


0.3282


412.4031, 0.2632,
0.3349


 1.1289, 0.0000,
0.3275

 0.0025, 0.0000,
0.0033

 76.3518, 0.2278,
0.3374


 76.3518, 0.2278,
0.3374

 76.1877, 0.2273,
0.3381


 76.7960, 0.2297,
0.3364


 77.5748, 0.2334,
0.3354


 78.7445, 0.2390,
0.3344


 80.3492, 0.2465,
0.3335

 82.4271, 0.2560,
0.3325

 85.0122, 0.2672,
0.3316

 88.1354, 0.2799,
0.3307

 91.8252, 0.2938,
0.3299

 96.1080, 0.3086,
0.3292

Harmonies

Analogous

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



76.3518, 0.2709, 0.3973



76.3518, 0.2278, 0.3374



76.3518, 0.2075, 0.2820

Triad

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



76.3518, 0.2278, 0.3374



76.3518, 0.2886, 0.2451



76.3518, 0.4222, 0.4020

Complementary

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



76.3518, 0.2278, 0.3374



21.2182, 0.6270, 0.3281

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.



76.3518, 0.4307, 0.3580



76.3518, 0.2278, 0.3374



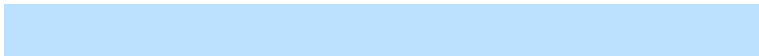
76.3518, 0.3492, 0.2724

Square

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



76.3518, 0.2278, 0.3374



76.3518, 0.2398, 0.2356



76.3518, 0.4034, 0.3122



76.3518, 0.3835, 0.4328

Rectangle

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



76.3518, 0.2278, 0.3374



76.3518, 0.2077, 0.2561



76.3518, 0.4034, 0.3122



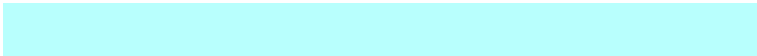
76.3518, 0.4289, 0.3881

Sweetspot

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



76.3547, 0.2278, 0.3374



88.7434, 0.2729, 0.3312



69.8980, 0.3010, 0.5950



18.7114, 0.2676, 0.3316



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.



76.3547, 0.2278, 0.3374



78.2555, 0.2273, 0.3381



26.8140, 0.1840, 0.1784



19.5990, 0.2984, 0.3297



39.6860, 0.2272, 0.3379



3.6784, 0.2269, 0.3368

Inverse Universe

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



21.2182, 0.6270, 0.3281



21.2768, 0.6380, 0.3288



36.0392, 0.5385, 0.4051



17.2337, 0.3289, 0.3283



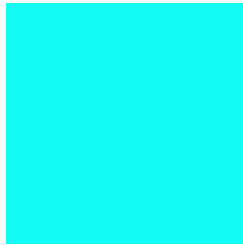
10.7929, 0.6370, 0.3283



1.0025, 0.6294, 0.3241

Previews

White Background



This preview shows how the Yxy color 76.3518, 0.2278, 0.3374 looks on a white background.

Color Contrast Check

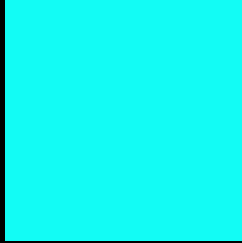
Large Text (above 18pt) WCAG AA × Fail

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 76.3518, 0.2278, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

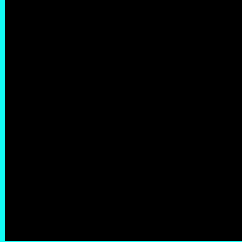
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.3518, 0.2278, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 76.3518, 0.2278, 0.3374.



This preview shows how white text looks on a background with the Yxy color 76.3518, 0.2278, 0.3374.

Color Blindness Simulation

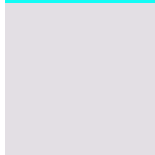
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



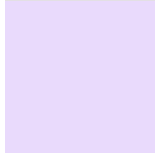
Original Color

76.3420, 0.2278, 0.3374



Protanopia

74.7077, 0.3123, 0.3237



Deuteranopia

74.4947, 0.3011, 0.2942



Tritanopia

75.7933, 0.2496, 0.3128

Trichromacy



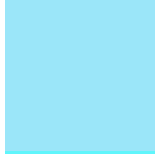
Original Color

76.3420, 0.2278, 0.3374



Protanomaly

71.3655, 0.2628, 0.3289



Deuteranomaly

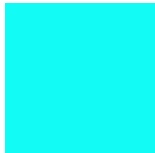
70.4017, 0.2568, 0.3069



Tritanomaly

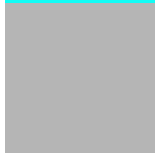
74.7566, 0.2361, 0.3216

Monochromacy



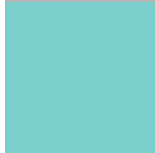
Original Color

76.3420, 0.2278, 0.3374



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.1229, 0.2584, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3518, 0.2278, 0.3374 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(18, 252, 245)` looks like.

```
.text, #text, p{  
    color:rgb(18, 252, 245)  
}
```

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(18, 252, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 252, 245) }
```

Border

The CSS property to change the border of an element to Yxy 76.3518, 0.2278, 0.3374 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(18, 252, 245) }
```

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

```
.border{ border-color:rgb(18, 252, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 252, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 252, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 252, 245);  
box-shadow:4px 4px 4px 4px rgb(18, 252,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3518, 0.2278, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 252, 245) }
```

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

```
.background{ background-color: rgb(18, 252,  
245) }
```

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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