

Converting Colors

$Y_{xy}(78.2227, 0.2287, 0.3410)$

Have a look what the booklet for
Yxy(78.2227, 0.2287, 0.3410)
contains.

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Color

Yxy(78.2317, 0.2287, 0.3410)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 11FFF5 |
| RGB | 17, 255, 245 |
| RGB Percent | 7%, 100%, 96% |
| CMY | 0.9344, 0.0000, 0.0392 |
| CMYK | 0.93, 0.00, 0.04, 0.00 |
| HSL | 177°, 100%, 53% |
| HSV | 177°, 93%, 100% |
| XYZ | 52.4680, 78.2317, 98.7188 |
| YIQ | 182.6980, -138.6380, -53.5660 |

Conversions

Conversions Part 2

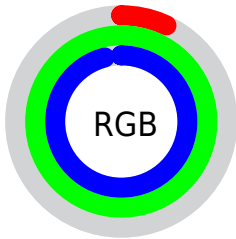
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 17, 139, 255 |
| Decimal | 1179637 |
| CIELab | 90.89, -50.55, -9.29 |
| CIElCh | 91, 51.398, 190.410 |
| Yxy | 78.2317, 0.2287, 0.3410 |
| Android (android.graphics.Color) | 4279369717 (0xFF11FFF5) |
| YUV | 182.6980, 30.7149, -145.3171 |
| Hunter-Lab | 88.4487, -48.8985, -4.2603 |

Details

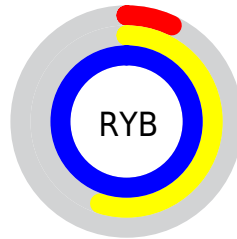
The Yxy color **78.2317, 0.2287, 0.3410** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.7304, 0.6271, 0.3274**, and the grayscale version is **47.0185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **43.6066, 0.2281, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **78.0697, 0.2283, 0.3419**, and if you desaturate by 10%, it is **78.6752, 0.2304, 0.3396**.

Distribution



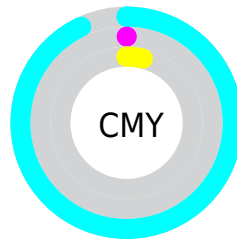
- Red (7%)
- Green (100%)
- Blue (96%)



- Red (7%)
- Yellow (55%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2317, 0.2287, 0.3410 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 78.2317, 0.2287, 0.3410 by changing the saturation by 10% instead.


 78.2317, 0.2287,
0.3410


 78.2317, 0.2287,
0.3410


488.9533, 0.2661,
0.3366


 58.2643, 0.2206,
0.3417


 130.8767, 0.2413,
0.3397

 42.0212, 0.2107,
0.3425


 164.3231, 0.2464,
0.3391

 29.1179, 0.1986,
0.3433


 203.0313, 0.2507,
0.3386

 19.1700, 0.1834,
0.3440

 247.3858, 0.2545,
0.3381

 11.7932, 0.1637,
0.3444

297.7708, 0.2579,
0.3377

 6.6030, 0.1377,
0.3437


354.5708, 0.2609,


 3.2151, 0.1026,


0.3373


0.3401


418.1702, 0.2636,
0.3369


 1.2450, 0.0000,
0.3468


 0.0980, 0.0000,
0.1148


 78.2317, 0.2287,
0.3410


 78.2317, 0.2287,
0.3410


 78.0697, 0.2283,
0.3419

 78.6752, 0.2304,
0.3396


 79.4633, 0.2338,
0.3382

 80.6495, 0.2392,
0.3368


 82.2799, 0.2465,
0.3354

 84.3941, 0.2558,
0.3341

 87.0275, 0.2667,
0.3328

 90.2121, 0.2792,
0.3315

 93.9774, 0.2929,
0.3304

 98.3506, 0.3075,
0.3293

Harmonies

Analogous

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



78.2317, 0.2733, 0.4012



78.2317, 0.2287, 0.3410



78.2317, 0.2068, 0.2840

Triad

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



78.2317, 0.2287, 0.3410



78.2317, 0.2850, 0.2432



78.2317, 0.4249, 0.4004

Complementary

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



78.2317, 0.2287, 0.3410



21.7304, 0.6271, 0.3274

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.



78.2317, 0.4316, 0.3556



78.2317, 0.2287, 0.3410



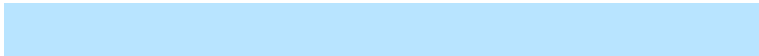
78.2317, 0.3461, 0.2698

Square

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



78.2317, 0.2287, 0.3410



78.2317, 0.2368, 0.2346



78.2317, 0.4020, 0.3095



78.2317, 0.3870, 0.4329

Rectangle

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



78.2317, 0.2287, 0.3410



78.2317, 0.2061, 0.2570



78.2317, 0.4020, 0.3095



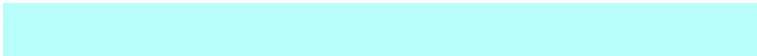
78.2317, 0.4311, 0.3862

Sweetspot

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



78.2292, 0.2287, 0.3410



88.6895, 0.2734, 0.3321



71.8157, 0.3014, 0.5953



18.6981, 0.2681, 0.3326



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.



78.2292, 0.2287, 0.3410



78.0697, 0.2283, 0.3419



28.4470, 0.1850, 0.1825



20.4675, 0.2986, 0.3300



40.7989, 0.2282, 0.3417



3.9764, 0.2278, 0.3401

Inverse Universe

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



21.7304, 0.6271, 0.3274



21.2835, 0.6371, 0.3283



35.7027, 0.5448, 0.4007



17.9994, 0.3288, 0.3280



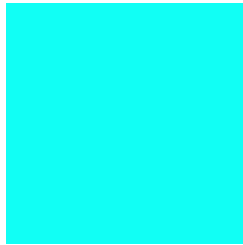
11.1264, 0.6358, 0.3276



1.0875, 0.6259, 0.3222

Previews

White Background



This preview shows how the Yxy color 78.2317, 0.2287, 0.3410 looks on a white background.

Color Contrast Check

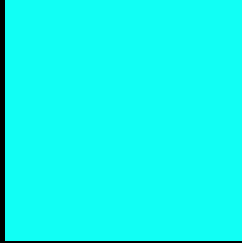
Large Text (above 18pt) WCAG AA × Fail

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 78.2317, 0.2287, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

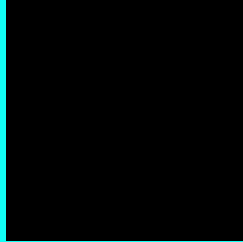
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2317, 0.2287, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 78.2317, 0.2287, 0.3410.

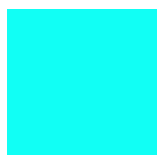


This preview shows how white text looks on a background with the Yxy color 78.2317, 0.2287, 0.3410.

Color Blindness Simulation

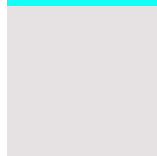
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



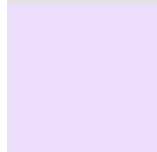
Original Color

78.2317, 0.2287, 0.3410



Protanopia

76.8171, 0.3142, 0.3269



Deuteranopia

76.8093, 0.3032, 0.2966



Tritanopia

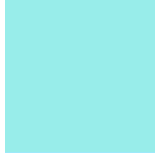
77.4966, 0.2551, 0.3142

Trichromacy



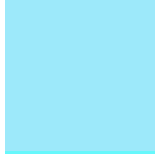
Original Color

78.2317, 0.2287, 0.3410



Protanomaly

73.1843, 0.2638, 0.3324



Deuteranomaly

72.3481, 0.2578, 0.3093



Tritanomaly

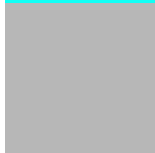
76.3701, 0.2387, 0.3240

Monochromacy



Original Color

78.2317, 0.2287, 0.3410



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

54.2681, 0.2583, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2317, 0.2287, 0.3410 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(17, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(17, 255, 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(17, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 78.2317, 0.2287, 0.3410 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(17, 255, 245) }
```

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

```
.border{ border-color:rgb(17, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(17, 255, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(17, 255, 245); box-shadow:4px 4px 4px 4px rgb(17, 255, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2317, 0.2287, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 255, 245) }
```

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

```
.background{ background-color: rgb(17, 255,  
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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