

Converting Colors

$Y_{xy}(78.0027, 0.2311, 0.3477)$

Have a look what the booklet for
Yxy(78.0027, 0.2311, 0.3477)
contains.

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Color

Yxy(78.0179, 0.2310, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	19FFF0
RGB	25, 255, 240
RGB Percent	10%, 100%, 94%
CMY	0.9002, 0.0000, 0.0590
CMYK	0.90, 0.00, 0.06, 0.00
HSL	176°, 100%, 55%
HSV	176°, 90%, 100%
XYZ	51.8921, 78.0179, 94.7312
YIQ	184.5200, -132.2650, -53.4250

Conversions

Conversions Part 2

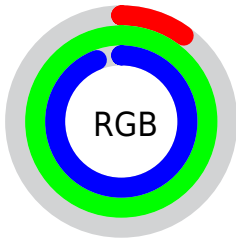
Format	Color
R_{YB}	25, 144, 255
Decimal	1703920
CIE _{Lab}	90.79, -51.64, -6.81
CIE _{LCh}	91, 52.085, 187.516
Yxy	78.0179, 0.2310, 0.3473
Android (android.graphics.Color)	4279894000 (0xFF19FFF0)
YUV	184.5200, 27.3516, -139.8990
Hunter-Lab	88.3277, -49.7057, -1.7589

Details

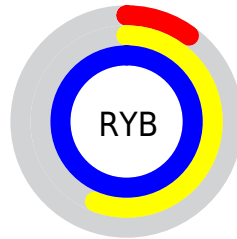
The Yxy color **78.0179, 0.2310, 0.3473** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.1312, 0.6154, 0.3244**, and the grayscale version is **48.2123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **43.3932, 0.2304, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **77.7097, 0.2304, 0.3495**, and if you desaturate by 10%, it is **78.6107, 0.2331, 0.3451**.

Distribution



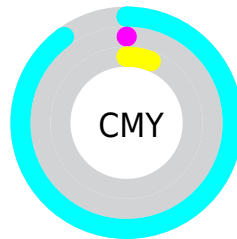
- Red (10%)
- Green (100%)
- Blue (94%)



- Red (10%)
- Yellow (56%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0179, 0.2310, 0.3473 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 78.0179, 0.2310, 0.3473 by changing the saturation by 10% instead.


 78.0179, 0.2310,
0.3473


 78.0179, 0.2310,
0.3473


488.2276, 0.2675,
0.3398

 58.0887, 0.2230,
0.3488


 130.5754, 0.2434,
0.3449

 41.8799, 0.2133,
0.3505


 163.9724, 0.2483,
0.3439

 29.0073, 0.2014,
0.3525


 202.6275, 0.2525,
0.3430

 19.0863, 0.1863,
0.3547

 246.9250, 0.2563,
0.3422

 11.7327, 0.1668,
0.3572

297.2494, 0.2596,
0.3415

 6.5619, 0.1408,
0.3597

353.9850, 0.2625,

 3.1897, 0.1052,

0.3409

0.3610

417.5163, 0.2651,
0.3403

■ 1.2315, 0.0000,
0.3780

■ 0.0872, 0.0000,
0.1325

■ 78.0179, 0.2310,
0.3473

■ 78.0179, 0.2310,
0.3473

■ 77.7097, 0.2304,
0.3495


■ 78.6107, 0.2331,
0.3451


■ 79.5639, 0.2370,
0.3429


■ 80.9324, 0.2429,
0.3406

■ 82.7597, 0.2507,
0.3385

 85.0840, 0.2604,
0.3363

 87.9393, 0.2717,
0.3343

 91.3566, 0.2844,
0.3324

 95.3647, 0.2982,
0.3306

99.9903, 0.3127,
0.3290

Harmonies

Analogous

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



78.0179, 0.2780, 0.4074



78.0179, 0.2310, 0.3473



78.0179, 0.2065, 0.2881

Triad

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



78.0179, 0.2310, 0.3473



78.0179, 0.2791, 0.2404



78.0179, 0.4286, 0.3971

Complementary

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



78.0179, 0.2310, 0.3473



22.1312, 0.6154, 0.3244

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.



78.0179, 0.4320, 0.3512



78.0179, 0.2310, 0.3473



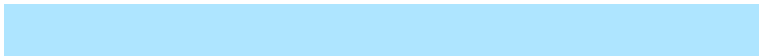
78.0179, 0.3404, 0.2658

Square

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



78.0179, 0.2310, 0.3473



78.0179, 0.2321, 0.2337



78.0179, 0.3987, 0.3049



78.0179, 0.3927, 0.4321

Rectangle

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



78.0179, 0.2310, 0.3473



78.0179, 0.2042, 0.2593



78.0179, 0.3987, 0.3049



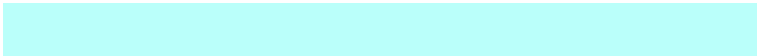
78.0179, 0.4338, 0.3824

Sweetspot

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



78.0208, 0.2310, 0.3473



88.9108, 0.2754, 0.3337



72.0579, 0.3025, 0.5915



18.7963, 0.2712, 0.3344



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.



78.0208, 0.2310, 0.3473



77.7104, 0.2304, 0.3495



31.0518, 0.1888, 0.1937



20.4597, 0.2989, 0.3305



40.6142, 0.2303, 0.3491



3.9604, 0.2296, 0.3466

Inverse Universe

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



22.1312, 0.6154, 0.3244



21.2996, 0.6351, 0.3272



35.9799, 0.5413, 0.3996



18.0064, 0.3284, 0.3275



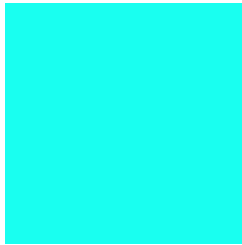
11.1367, 0.6334, 0.3263



1.0908, 0.6183, 0.3180

Previews

White Background



This preview shows how the Yxy color 78.0179, 0.2310, 0.3473 looks on a white background.

Color Contrast Check

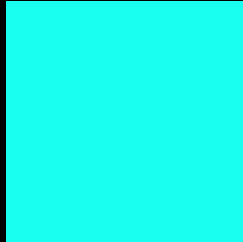
Large Text (above 18pt) WCAG AA × Fail

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 78.0179, 0.2310, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

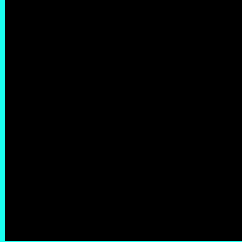
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0179, 0.2310, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 78.0179, 0.2310, 0.3473.

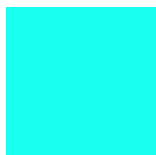


This preview shows how white text looks on a background with the Yxy color 78.0179, 0.2310, 0.3473.

Color Blindness Simulation

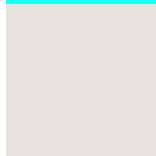
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



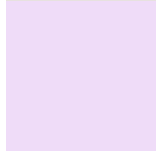
Original Color

78.0179, 0.2310, 0.3473



Protanopia

76.1671, 0.3182, 0.3311



Deuteranopia

76.3144, 0.3078, 0.3006



Tritanopia

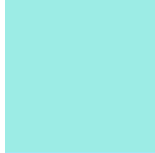
77.3997, 0.2547, 0.3141

Trichromacy



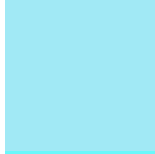
Original Color

78.0179, 0.2310, 0.3473



Protanomaly

72.7160, 0.2682, 0.3371



Deuteranomaly

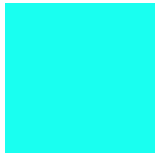
72.4475, 0.2623, 0.3150



Tritanomaly

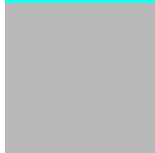
76.4878, 0.2401, 0.3252

Monochromacy



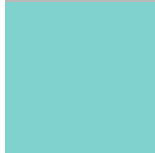
Original Color

78.0179, 0.2310, 0.3473



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

55.0130, 0.2612, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0179, 0.2310, 0.3473 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 78.0179, 0.2310, 0.3473 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, 240) }
```

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

```
.border{ border-color:rgb(25, 255, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0179, 0.2310, 0.3473 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, 240) }
```

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

```
.background{ background-color: rgb(25, 255,  
240) }
```

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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