

Converting Colors

$Y_{xy}(79.5536, 0.2192, 0.3084)$

Have a look what the booklet for
Yxy(79.5536, 0.2192, 0.3084)
contains.

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Color

Yxy(78.1423, 0.2245, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	06FEFF
RGB	6, 254, 255
RGB Percent	2%, 100%, 100%
CMY	0.9781, 0.0039, 0.0000
CMYK	0.98, 0.00, 0.00, 0.00
HSL	180°, 100%, 51%
HSV	180°, 98%, 100%
XYZ	53.5662, 78.1423, 106.8939
YIQ	179.9620, -148.1290, -52.2650

Conversions

Conversions Part 2

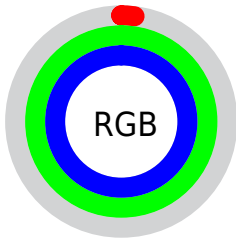
Format	Color
RYB	6, 130, 255
Decimal	458495
CIELab	90.84, -47.53, -14.56
CIELCh	91, 49.714, 197.030
Yxy	78.1423, 0.2245, 0.3275
Android (android.graphics.Color)	4278648575 (0xFF06FEFF)
YUV	179.9620, 36.9937, -152.5647
Hunter-Lab	88.3981, -46.5318, -9.8167

Details

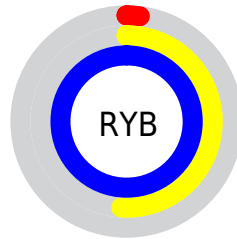
The Yxy color **78.1423, 0.2245, 0.3275** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.4148, 0.6373, 0.3301**, and the grayscale version is **45.4072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **43.5571, 0.2238, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **78.0930, 0.2243, 0.3275**, and if you desaturate by 10%, it is **78.4641, 0.2259, 0.3277**.

Distribution



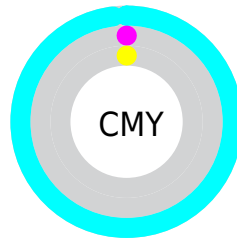
- Red (2%)
- Green (100%)
- Blue (100%)



- Red (2%)
- Yellow (51%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (98%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1423, 0.2245, 0.3275 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 78.1423, 0.2245, 0.3275 by changing the saturation by 10% instead.


 78.1423, 0.2245,
0.3275


 78.1423, 0.2245,
0.3275


488.6500, 0.2635,
0.3295

 58.1909, 0.2161,
0.3267


 130.7507, 0.2376,
0.3285


 41.9621, 0.2059,
0.3257


 164.1765, 0.2429,
0.3288

 29.0716, 0.1935,
0.3241


 202.8625, 0.2474,
0.3290

 19.1350, 0.1780,
0.3216

 247.1931, 0.2514,
0.3292

 11.7679, 0.1581,
0.3177

297.5528, 0.2549,
0.3293

 6.5858, 0.1321,
0.3110

354.3259, 0.2581,

 3.2045, 0.0976,

0.3294

0.2986

417.8968, 0.2609,
0.3295

■ 1.2394, 0.0000,
0.2879

■ 0.0935, 0.0000,
0.0765

■ 78.1423, 0.2245,
0.3275

■ 78.1423, 0.2245,
0.3275

■ 78.0930, 0.2243,
0.3275

■ 78.4641, 0.2259,
0.3277


■ 79.0936, 0.2289,
0.3278


■ 80.0980, 0.2337,
0.3280


■ 81.5269, 0.2405,
0.3281

 83.4227, 0.2492,
0.3283

 85.8223, 0.2598,
0.3284

 88.7590, 0.2721,
0.3286

 92.2635, 0.2858,
0.3287

 96.3639, 0.3006,
0.3289

Harmonies

Analogous

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



78.1423, 0.2636, 0.3870



78.1423, 0.2245, 0.3275



78.1423, 0.2085, 0.2758

Triad

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



78.1423, 0.2245, 0.3275



78.1423, 0.2984, 0.2499



78.1423, 0.4156, 0.4070

Complementary

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



78.1423, 0.2245, 0.3275



21.4148, 0.6373, 0.3301

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.



78.1423, 0.4294, 0.3651



78.1423, 0.2245, 0.3275



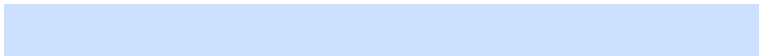
78.1423, 0.3582, 0.2792

Square

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



78.1423, 0.2245, 0.3275



78.1423, 0.2478, 0.2375



78.1423, 0.4082, 0.3198



78.1423, 0.3740, 0.4333

Rectangle

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



78.1423, 0.2245, 0.3275



78.1423, 0.2113, 0.2529



78.1423, 0.4082, 0.3198



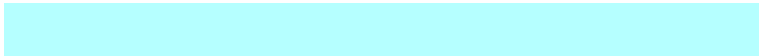
78.1423, 0.4239, 0.3940

Sweetspot

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



78.1431, 0.2245, 0.3275



88.3818, 0.2706, 0.3286



71.5682, 0.3001, 0.5988



18.6408, 0.2652, 0.3285



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.



78.1431, 0.2245, 0.3275



78.0930, 0.2243, 0.3275



23.2975, 0.1776, 0.1583



20.4683, 0.2980, 0.3289



40.8110, 0.2243, 0.3275



3.9775, 0.2244, 0.3277

Inverse Universe

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



28.5371, 0.3219, 0.1552



28.4147, 0.3219, 0.1547



37.3138, 0.5395, 0.4084



18.2991, 0.3139, 0.3057



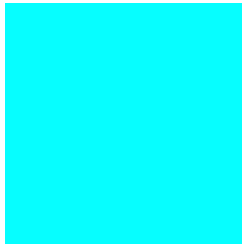
14.8479, 0.3219, 0.1547



1.4461, 0.3218, 0.1546

Previews

White Background



This preview shows how the Yxy color 78.1423, 0.2245, 0.3275 looks on a white background.

Color Contrast Check

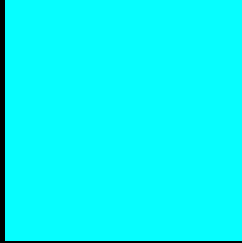
Large Text (above 18pt) WCAG AA × Fail

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 78.1423, 0.2245, 0.3275 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 78.1423, 0.2245, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 78.1423, 0.2245, 0.3275.

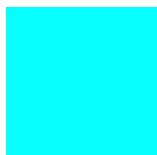


This preview shows how white text looks on a background with the Yxy color 78.1423, 0.2245, 0.3275.

Color Blindness Simulation

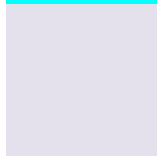
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



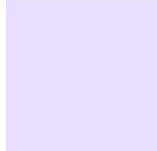
Original Color

78.1423, 0.2245, 0.3275



Protanopia

76.4588, 0.3071, 0.3164



Deuteranopia

76.4515, 0.2979, 0.2953



Tritanopia

77.3997, 0.2547, 0.3141

Trichromacy



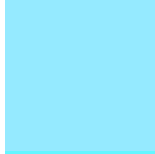
Original Color

78.1423, 0.2245, 0.3275



Protanomaly

72.7256, 0.2564, 0.3195



Deuteranomaly

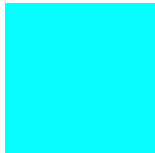
72.4552, 0.2518, 0.3047



Tritanomaly

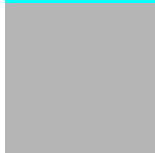
75.7842, 0.2357, 0.3181

Monochromacy



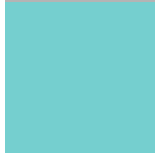
Original Color

78.1423, 0.2245, 0.3275



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.9125, 0.2542, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1423, 0.2245, 0.3275 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(6, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(6, 254, 255)  
}
```

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(6, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.1423, 0.2245, 0.3275 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(6, 254, 255) }
```

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

```
.border{ border-color:rgb(6, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(6, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1423, 0.2245, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 254, 255) }
```

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

```
.background{ background-color: rgb(6, 254,  
255) }
```

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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