

Converting Colors

$Y_{xy}(100.0000, 0.1842, 0.1726)$

Have a look what the booklet for
Yxy(100.0000, 0.1842, 0.1726)
contains.

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Color

Yxy(80.0796, 0.2316, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	47FFFF
RGB	71, 255, 255
RGB Percent	28%, 100%, 100%
CMY	0.7214, 0.0000, 0.0001
CMYK	0.72, 0.00, 0.00, 0.00
HSL	180°, 100%, 64%
HSV	180°, 72%, 100%
XYZ	56.4064, 80.0796, 107.0651
YIQ	199.9840, -109.6640, -39.0080

Conversions

Conversions Part 2

Format	Color
RYB	71, 163, 255
Decimal	4718591
CIELab	91.72, -44.13, -13.16
CIElCh	92, 46.054, 196.598
Yxy	80.0796, 0.2316, 0.3288
Android (android.graphics.Color)	4282908671 (0xFF47FFFF)
YUV	199.9840, 27.1229, -113.1190
Hunter-Lab	89.4872, -44.0888, -8.2952

Details

The Yxy color **80.0796, 0.2316, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.2286, 0.5611, 0.3297**, and the grayscale version is **57.6359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **44.4654, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **79.3082, 0.2276, 0.3288**, and if you desaturate by 10%, it is **81.2550, 0.2375, 0.3288**.

Distribution



- Red (28%)
- Green (100%)
- Blue (100%)



- Red (28%)
- Yellow (64%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0796, 0.2316, 0.3288 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 80.0796, 0.2316, 0.3288 by changing the saturation by 10% instead.


 80.0796, 0.2316,
0.3288

 80.0796, 0.2316,
0.3288

495.2011, 0.2674,
0.3300


 59.7839, 0.2239,
0.3283


 133.4776, 0.2437,
0.3294

 43.2444, 0.2145,
0.3275


 167.3487, 0.2485,
0.3296

 30.0770, 0.2030,
0.3264


 206.5137, 0.2527,
0.3297

 19.8970, 0.1886,
0.3246

 251.3570, 0.2563,
0.3298

 12.3202, 0.1702,
0.3216

302.2630, 0.2596,
0.3299

 6.9621, 0.1458,
0.3165


359.6161, 0.2625,


 3.4384, 0.1128,


0.3300


423.8006, 0.2651,
0.3300


0.3068


 1.3647, 0.0339,
0.2965


 0.1905, 0.0000,
0.1435


 80.0796, 0.2316,
0.3288


 80.0796, 0.2316,
0.3288


 79.3082, 0.2276,
0.3288


 81.2550, 0.2375,
0.3288

 78.8868, 0.2255,
0.3288

 82.8798, 0.2453,
0.3288

 78.7373, 0.2247,
0.3288

 84.9928, 0.2551,
0.3289

 87.6289, 0.2667,
0.3289

■ 90.8199, 0.2797,
0.3289

■ 94.5948, 0.2941,
0.3290

■ 98.9807, 0.3094,
0.3290

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



80.0796, 0.2683, 0.3827



80.0796, 0.2316, 0.3288



80.0796, 0.2161, 0.2810

Triad

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



80.0796, 0.2316, 0.3288



80.0796, 0.2990, 0.2553



80.0796, 0.4081, 0.4011

Complementary

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



80.0796, 0.2316, 0.3288



26.2286, 0.5611, 0.3297

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.



80.0796, 0.4199, 0.3625



80.0796, 0.2316, 0.3288



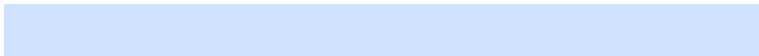
80.0796, 0.3539, 0.2824

Square

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



80.0796, 0.2316, 0.3288



80.0796, 0.2522, 0.2440



80.0796, 0.3998, 0.3204



80.0796, 0.3703, 0.4247

Rectangle

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



80.0796, 0.2316, 0.3288



80.0796, 0.2185, 0.2593



80.0796, 0.3998, 0.3204



80.0796, 0.4154, 0.3892

Sweetspot

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



80.0795, 0.2316, 0.3288



90.8679, 0.2799, 0.3289



73.4360, 0.3028, 0.5596



19.2517, 0.2762, 0.3289



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.



80.0795, 0.2316, 0.3288



79.0635, 0.2264, 0.3288



35.8667, 0.2019, 0.2111



20.4815, 0.2980, 0.3290



41.1420, 0.2247, 0.3288



4.0059, 0.2247, 0.3288

Inverse Universe

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



26.2286, 0.5611, 0.3297



22.4669, 0.6177, 0.3299



46.8428, 0.4824, 0.4113



17.9871, 0.3295, 0.3290



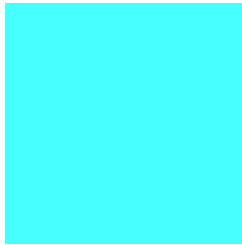
11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 80.0796, 0.2316, 0.3288 looks on a white background.

Color Contrast Check

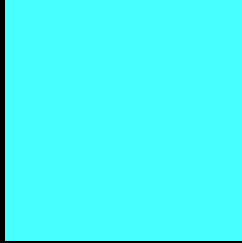
Large Text (above 18pt) WCAG AA × Fail

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 80.0796, 0.2316, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

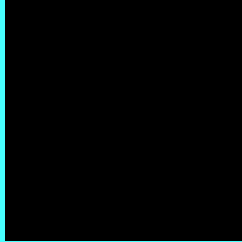
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.0796, 0.2316, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 80.0796, 0.2316, 0.3288.

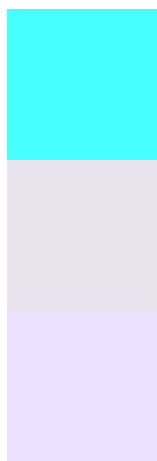


This preview shows how white text looks on a background with the Yxy color 80.0796, 0.2316, 0.3288.

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

80.0796, 0.2316, 0.3288

Protanopia

78.6488, 0.3084, 0.3186

Deuteranopia

78.7326, 0.3006, 0.2987



Tritanopia

79.4282, 0.2615, 0.3155

Trichromacy



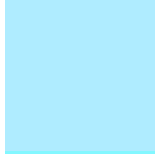
Original Color

80.0796, 0.2316, 0.3288



Protanomaly

76.5650, 0.2698, 0.3221



Deuteranomaly

76.3249, 0.2651, 0.3079



Tritanomaly

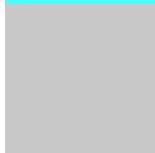
78.5668, 0.2468, 0.3196

Monochromacy



Original Color

80.0796, 0.2316, 0.3288



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

63.1260, 0.2691, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0796, 0.2316, 0.3288 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(71, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 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(71, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.0796, 0.2316, 0.3288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

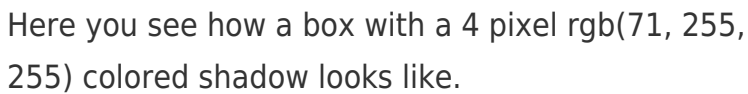
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 255, 255) }
```

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

```
.border{ border-color:rgb(71, 255, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 255, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 255, 255); box-shadow:4px 4px 4px 4px rgb(71, 255, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0796, 0.2316, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 255) }
```

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

```
.background{ background-color: rgb(71, 255,  
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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