

Converting Colors

$Y_{xy}(100.0000, 0.2037, 0.2404)$

Have a look what the booklet for
Yxy(100.0000, 0.2037, 0.2404)
contains.

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Color

Yxy(79.9333, 0.2308, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	43FFFF
RGB	67, 255, 255
RGB Percent	26%, 100%, 100%
CMY	0.7382, 0.0000, 0.0001
CMYK	0.74, 0.00, 0.00, 0.00
HSL	180°, 100%, 63%
HSV	180°, 74%, 100%
XYZ	56.1089, 79.9333, 107.0639
YIQ	198.7880, -112.0480, -39.8560

Conversions

Conversions Part 2

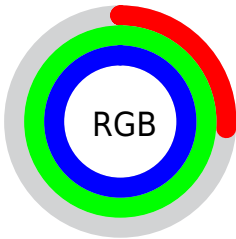
Format	Color
RYB	67, 161, 255
Decimal	4456447
CIELab	91.65, -44.59, -13.27
CIELCh	92, 46.524, 196.570
Yxy	79.9333, 0.2308, 0.3288
Android (android.graphics.Color)	4282646527 (0xFF43FFFF)
YUV	198.7880, 27.7125, -115.5781
Hunter-Lab	89.4054, -44.4368, -8.4166

Details

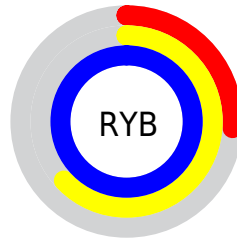
The Yxy color **79.9333, 0.2308, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.6468, 0.5688, 0.3297**, and the grayscale version is **56.8057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **44.4654, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **79.2153, 0.2272, 0.3288**, and if you desaturate by 10%, it is **81.0272, 0.2364, 0.3288**.

Distribution



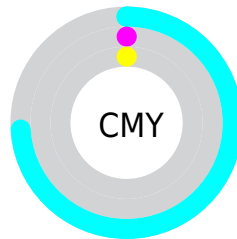
- Red (26%)
- Green (100%)
- Blue (100%)



- Red (26%)
- Yellow (63%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9333, 0.2308, 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 79.9333, 0.2308, 0.3288 by changing the saturation by 10% instead.


 79.9333, 0.2308,
0.3288


 79.9333, 0.2308,
0.3288


494.7080, 0.2670,
0.3300

 59.6635, 0.2230,
0.3283


 133.2720, 0.2430,
0.3294

 43.1474, 0.2135,
0.3275


 167.1096, 0.2478,
0.3296

 30.0008, 0.2020,
0.3263


 206.2385, 0.2521,
0.3298

 19.8392, 0.1875,
0.3245

 251.0433, 0.2558,
0.3299

 12.2782, 0.1688,
0.3215

301.9083, 0.2590,
0.3299

 6.9335, 0.1442,
0.3162

359.2178, 0.2620,

 3.4205, 0.1111,

0.3300

423.3562, 0.2646,
0.3300

0.3063

■ 1.3550, 0.0301,
0.2962

■ 0.1832, 0.0000,
0.1388

■ 79.9333, 0.2308,
0.3288

■ 79.9333, 0.2308,
0.3288

■ 79.2153, 0.2272,
0.3288

■ 81.0272, 0.2364,
0.3288

■ 78.8466, 0.2252,
0.3288

■ 82.5731, 0.2439,
0.3288

■ 78.7386, 0.2247,
0.3288

■ 84.6011, 0.2533,
0.3288

■ 87.1466, 0.2646,
0.3289

■ 90.2418, 0.2774,
0.3289

■ 93.9161, 0.2916,
0.3289

■ 98.1969, 0.3067,
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.



79.9333, 0.2679, 0.3834



79.9333, 0.2308, 0.3288



79.9333, 0.2152, 0.2805

Triad

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



79.9333, 0.2308, 0.3288



79.9333, 0.2988, 0.2546



79.9333, 0.4091, 0.4017

Complementary

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



79.9333, 0.2308, 0.3288



25.6468, 0.5688, 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.



79.9333, 0.4211, 0.3627



79.9333, 0.2308, 0.3288



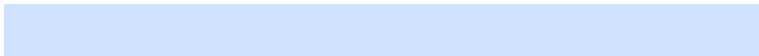
79.9333, 0.3543, 0.2819

Square

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



79.9333, 0.2308, 0.3288



79.9333, 0.2516, 0.2432



79.9333, 0.4008, 0.3202



79.9333, 0.3709, 0.4258

Rectangle

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



79.9333, 0.2308, 0.3288



79.9333, 0.2175, 0.2586



79.9333, 0.4008, 0.3202



79.9333, 0.4165, 0.3897

Sweetspot

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



79.9233, 0.2308, 0.3288



90.8681, 0.2799, 0.3289



73.2200, 0.3026, 0.5639



19.2518, 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.



79.9233, 0.2308, 0.3288



78.9863, 0.2260, 0.3288



34.9593, 0.1999, 0.2079



20.4815, 0.2980, 0.3290



41.1426, 0.2247, 0.3288



4.0059, 0.2247, 0.3288

Inverse Universe

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



25.6468, 0.5688, 0.3297



22.1771, 0.6228, 0.3299



46.0260, 0.4871, 0.4119



17.9871, 0.3295, 0.3290



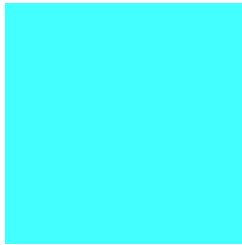
11.1088, 0.6401, 0.3300



1.0816, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 79.9333, 0.2308, 0.3288 looks on a white background.

Color Contrast Check

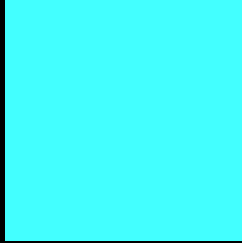
Large Text (above 18pt) WCAG AA × Fail

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 79.9333, 0.2308, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

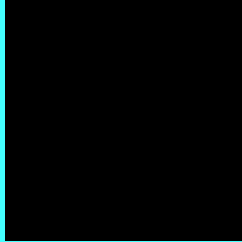
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.9333, 0.2308, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 79.9333, 0.2308, 0.3288.

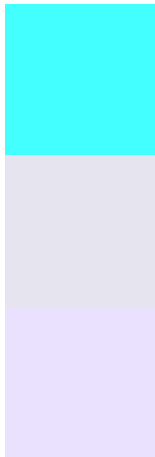


This preview shows how white text looks on a background with the Yxy color 79.9333, 0.2308, 0.3288.

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

79.9333, 0.2308, 0.3288

Protanopia

78.4828, 0.3077, 0.3186

Deuteranopia

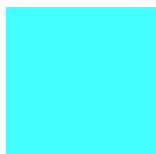
78.5629, 0.2999, 0.2986



Tritanopia

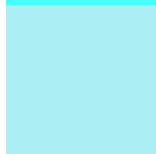
79.3205, 0.2610, 0.3155

Trichromacy



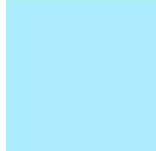
Original Color

79.9333, 0.2308, 0.3288



Protanomaly

76.3387, 0.2688, 0.3221



Deuteranomaly

76.0951, 0.2640, 0.3078



Tritanomaly

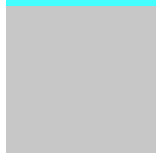
78.4087, 0.2460, 0.3196

Monochromacy



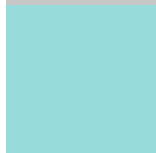
Original Color

79.9333, 0.2308, 0.3288



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.3568, 0.2683, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9333, 0.2308, 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(67, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(67, 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(67, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.9333, 0.2308, 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(67, 255, 255) }
```

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

```
.border{ border-color:rgb(67, 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(67, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(67, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9333, 0.2308, 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(67, 255, 255) }
```

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

```
.background{ background-color: rgb(67, 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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