

Converting Colors

$Yxy(80.0209, 0.2324, 0.3292)$

Have a look what the booklet for
Yxy(80.0209, 0.2324, 0.3292)
contains.

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Color

Yxy(80.1316, 0.2325, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	4AFFFE
RGB	74, 255, 254
RGB Percent	29%, 100%, 100%
CMY	0.7101, 0.0000, 0.0038
CMYK	0.71, 0.00, 0.00, 0.00
HSL	180°, 100%, 64%
HSV	180°, 71%, 100%
XYZ	56.4735, 80.1316, 106.2916
YIQ	200.7670, -107.5550, -38.6830

Conversions

Conversions Part 2

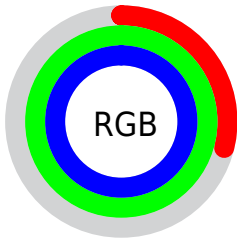
Format	Color
RYB	74, 165, 255
Decimal	4915198
CIELab	91.74, -44.07, -12.64
CIELCh	92, 45.844, 195.998
Yxy	80.1316, 0.2325, 0.3299
Android (android.graphics.Color)	4283105278 (0xFF4AFFFE)
YUV	200.7670, 26.2439, -111.1747
Hunter-Lab	89.5163, -44.0425, -7.7395

Details

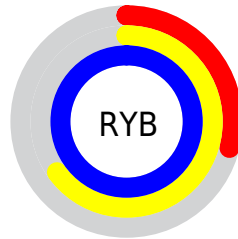
The Yxy color **80.1316, 0.2325, 0.3299** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.6530, 0.5548, 0.3290**, and the grayscale version is **58.1282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **44.4194, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **79.3085, 0.2284, 0.3301**, and if you desaturate by 10%, it is **81.3635, 0.2386, 0.3297**.

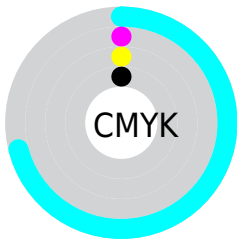
Distribution



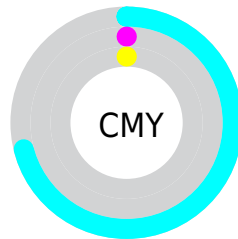
- Red (29%)
- Green (100%)
- Blue (100%)



- Red (29%)
- Yellow (65%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1316, 0.2325, 0.3299 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 80.1316, 0.2325, 0.3299 by changing the saturation by 10% instead.


 80.1316, 0.2325,
0.3299

 80.1316, 0.2325,
0.3299


495.3762, 0.2679,
0.3306


 59.8267, 0.2248,
0.3295


 133.5507, 0.2445,
0.3303

 43.2789, 0.2156,
0.3289


 167.4337, 0.2492,
0.3305

 30.1040, 0.2042,
0.3279


 206.6115, 0.2533,
0.3305

 19.9176, 0.1899,
0.3264

 251.4685, 0.2570,
0.3306

 12.3351, 0.1715,
0.3238

302.3890, 0.2602,
0.3306

 6.9723, 0.1473,
0.3192


359.7576, 0.2631,


 3.4448, 0.1143,


0.3306


0.3103


423.9585, 0.2656,
0.3306


 1.3681, 0.0352,
0.3015


 0.1931, 0.0000,
0.1494


 80.1316, 0.2325,
0.3299


 80.1316, 0.2325,
0.3299


 79.3085, 0.2284,
0.3301


 81.3635, 0.2386,
0.3297

 78.8425, 0.2260,
0.3302

 83.0497, 0.2466,
0.3296

 78.6536, 0.2251,
0.3304

 85.2283, 0.2566,
0.3294

 87.9338, 0.2683,
0.3293

■ 91.1974, 0.2814,
0.3292

■ 95.0481, 0.2958,
0.3291

■ 99.5128, 0.3111,
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.



80.1316, 0.2694, 0.3835



80.1316, 0.2325, 0.3299



80.1316, 0.2166, 0.2820

Triad

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



80.1316, 0.2325, 0.3299



80.1316, 0.2980, 0.2552



80.1316, 0.4082, 0.4001

Complementary

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



80.1316, 0.2325, 0.3299



26.6530, 0.5548, 0.3290

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.



80.1316, 0.4193, 0.3616



80.1316, 0.2325, 0.3299



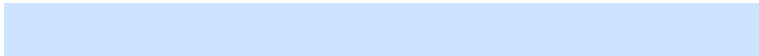
80.1316, 0.3526, 0.2820

Square

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



80.1316, 0.2325, 0.3299



80.1316, 0.2517, 0.2444



80.1316, 0.3987, 0.3196



80.1316, 0.3710, 0.4241

Rectangle

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



80.1316, 0.2325, 0.3299



80.1316, 0.2186, 0.2601



80.1316, 0.3987, 0.3196



80.1316, 0.4153, 0.3883

Sweetspot

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



80.1312, 0.2325, 0.3299



91.2018, 0.2815, 0.3292



73.5885, 0.3030, 0.5567



19.3157, 0.2777, 0.3292



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.



80.1312, 0.2325, 0.3299



79.0833, 0.2272, 0.3301



36.4853, 0.2033, 0.2133



20.4797, 0.2981, 0.3291



41.0989, 0.2251, 0.3303



4.0022, 0.2250, 0.3301

Inverse Universe

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



26.6530, 0.5548, 0.3290



22.8114, 0.6110, 0.3294



47.3976, 0.4792, 0.4108



17.9886, 0.3294, 0.3289



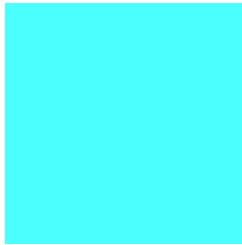
11.1110, 0.6395, 0.3297



1.0824, 0.6382, 0.3290

Previews

White Background



This preview shows how the Yxy color 80.1316, 0.2325, 0.3299 looks on a white background.

Color Contrast Check

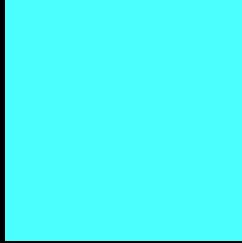
Large Text (above 18pt) WCAG AA × Fail

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 80.1316, 0.2325, 0.3299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

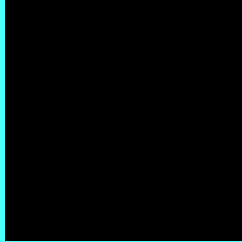
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1316, 0.2325, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 80.1316, 0.2325, 0.3299.



This preview shows how white text looks on a background with the Yxy color 80.1316, 0.2325, 0.3299.

Color Blindness Simulation

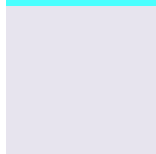
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.1316, 0.2325, 0.3299



Protanopia

78.6488, 0.3084, 0.3186



Deuteranopia

78.7326, 0.3006, 0.2987



Tritanopia

79.5367, 0.2620, 0.3156

Trichromacy



Original Color

80.1316, 0.2325, 0.3299



Protanomaly

76.6794, 0.2704, 0.3221



Deuteranomaly

76.4410, 0.2656, 0.3079



Tritanomaly

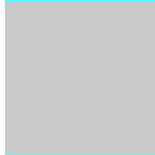
78.7281, 0.2476, 0.3196

Monochromacy



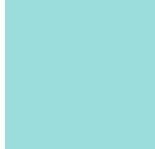
Original Color

80.1316, 0.2325, 0.3299



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.8488, 0.2704, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1316, 0.2325, 0.3299 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(74, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(74, 255, 254)  
}
```

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(74, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 80.1316, 0.2325, 0.3299 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(74, 255, 254) }
```

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

```
.border{ border-color:rgb(74, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(74, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1316, 0.2325, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 255, 254) }
```

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

```
.background{ background-color: rgb(74, 255,  
254) }
```

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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