

Converting Colors

$Y_{xy}(79.0535, 0.2945, 0.3171)$

Have a look what the booklet for
Yxy(79.0535, 0.2945, 0.3171)
contains.

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Color

Yxy(79.2566, 0.2943, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	D7E9F4
RGB	215, 233, 244
RGB Percent	84%, 91%, 96%
CMY	0.1565, 0.0863, 0.0431
CMYK	0.12, 0.05, 0.00, 0.04
HSL	203°, 57%, 90%
HSV	203°, 12%, 96%
XYZ	73.5116, 79.2566, 97.0163
YIQ	228.8720, -14.2590, -0.3950

Conversions

Conversions Part 2

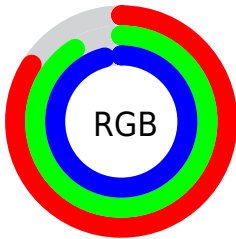
Format	Color
R _Y B	215, 226, 244
Decimal	14150132
CIE Lab	91.35, -3.76, -7.37
CIE LCh	91, 8.269, 242.985
Yxy	79.2566, 0.2943, 0.3173
Android (android.graphics.Color)	4292340212 (0xFFD7E9F4)
YUV	228.8720, 7.4581, -12.1657
Hunter-Lab	89.0262, -8.4031, -2.2930

Details

The Yxy color **79.2566, 0.2943, 0.3173** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.5990, 0.3327, 0.3404**, and the grayscale version is **78.2193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.5487, 0.2899, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **70.7070, 0.2785, 0.3063**, and if you desaturate by 10%, it is **88.6414, 0.3099, 0.3273**.

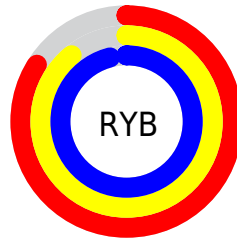
Distribution



Red (84%)

Green (91%)

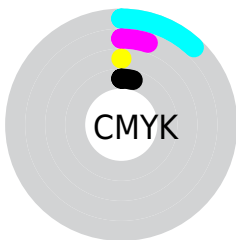
Blue (96%)



Red (84%)

Yellow (89%)

Blue (96%)

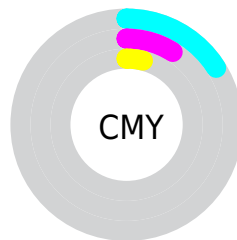


Cyan (12%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (16%)

Magenta (9%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2566, 0.2943, 0.3173 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 79.2566, 0.2943, 0.3173 by changing the saturation by 10% instead.

■ 79.2566, 0.2943,
0.3173

■ 79.2566, 0.2943,
0.3173

492.4240, 0.3027,
0.3227

■ 59.1068, 0.2924,
0.3161

132.3200, 0.2972,
0.3192

■ 42.6991, 0.2901,
0.3146

166.0025, 0.2983,
0.3199

■ 29.6491, 0.2873,
0.3127

204.9646, 0.2993,
0.3205

■ 19.5724, 0.2836,
0.3102

249.5908, 0.3001,
0.3211

■ 12.0846, 0.2786,
0.3069

300.2654, 0.3009,
0.3215

■ 6.8013, 0.2716,
0.3021

357.3729, 0.3015,

■ 3.3382, 0.2610,

0.3220

0.2948

421.2976, 0.3021,
0.3223

■ 1.3107, 0.2433,
0.2821

■ 0.1495, 0.0574,
0.1703

■ 79.2566, 0.2943,
0.3173

■ 79.2566, 0.2943,
0.3173

■ 70.7070, 0.2785,
0.3063

■ 88.6414, 0.3099,
0.3273

■ 62.9542, 0.2629,
0.2942

■ 97.1536, 0.3193,
0.3363

■ 55.9711, 0.2477,
0.2811

■ 99.3121, 0.3191,
0.3395

■ 49.7249, 0.2334,
0.2673

■ 44.1798, 0.2203,
0.2528

■ 39.2963, 0.2090,
0.2379

■ 35.0294, 0.1996,
0.2230

■ 31.3258, 0.1924,
0.2083

■ 28.6601, 0.1880,
0.1967

Harmonies

Analogous

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



79.2566, 0.2951, 0.3248



79.2566, 0.2943, 0.3173



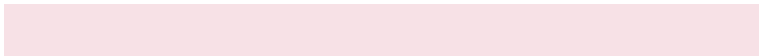
79.2566, 0.2984, 0.3131

Triad

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



79.2566, 0.2943, 0.3173



79.2566, 0.3250, 0.3243



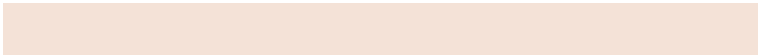
79.2566, 0.3189, 0.3455

Complementary

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



79.2566, 0.2943, 0.3173



78.5990, 0.3327, 0.3404

Split Complementary

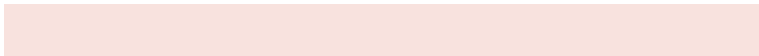
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2566, 0.3271, 0.3451



79.2566, 0.2943, 0.3173



79.2566, 0.3307, 0.3328

Square

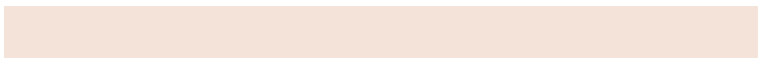
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.2566, 0.2943, 0.3173



79.2566, 0.3161, 0.3172



79.2566, 0.3315, 0.3404



79.2566, 0.3092, 0.3413

Rectangle

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



79.2566, 0.2943, 0.3173



79.2566, 0.3034, 0.3126



79.2566, 0.3315, 0.3404



79.2566, 0.3220, 0.3459

Sweetspot

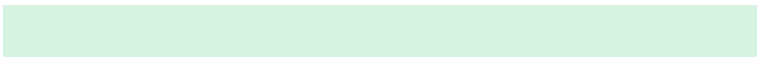
The Sweet Spot groups the original color and five complimentary colors.



79.2599, 0.2943, 0.3173



95.6605, 0.3065, 0.3252



84.6401, 0.3050, 0.3485



20.3042, 0.3054, 0.3245



0.0000, 0.0000, 0.0000



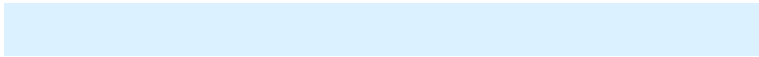
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.2599, 0.2943, 0.3173



85.4684, 0.2909, 0.3150



71.6255, 0.2940, 0.3021



17.6346, 0.2980, 0.3198



15.8549, 0.1886, 0.1990



1.5916, 0.1936, 0.2170

Inverse Universe

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



73.7616, 0.3216, 0.3107



78.4539, 0.3234, 0.3072



86.5546, 0.3309, 0.3545



16.6549, 0.3197, 0.3145



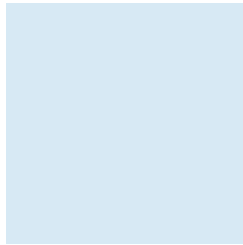
11.6999, 0.4465, 0.2233



1.0483, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 79.2566, 0.2943, 0.3173 looks on a white background.

Color Contrast Check

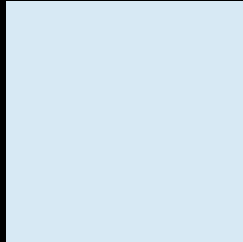
Large Text (above 18pt) WCAG AA × Fail

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 79.2566, 0.2943, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

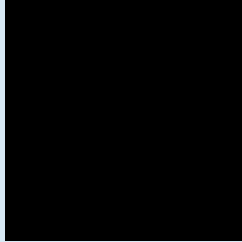
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

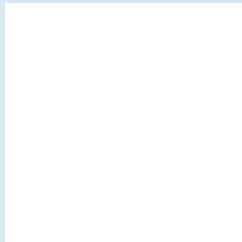
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.2566, 0.2943, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 79.2566, 0.2943, 0.3173.

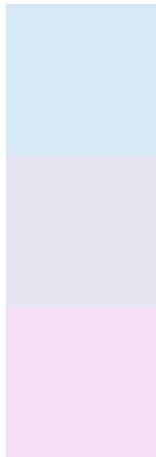


This preview shows how white text looks on a background with the Yxy color 79.2566, 0.2943, 0.3173.

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

79.2566, 0.2943, 0.3173

Protanopia

79.3784, 0.3065, 0.3166

Deuteranopia

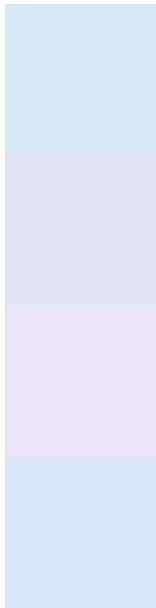
78.8417, 0.3131, 0.3060



Tritanopia

79.2143, 0.2914, 0.3101

Trichromacy



Original Color

79.2566, 0.2943, 0.3173

Protanomaly

79.0120, 0.3019, 0.3165

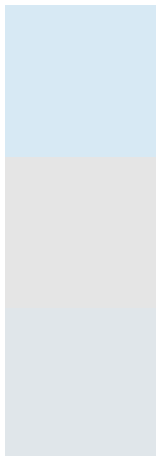
Deuteranomaly

79.0232, 0.3061, 0.3106

Tritanomaly

79.0895, 0.2925, 0.3121

Monochromacy



Original Color

79.2566, 0.2943, 0.3173

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.3814, 0.3062, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.2566, 0.2943, 0.3173 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(215, 233, 244)` looks like.

```
.text, #text, p{  
    color:rgb(215, 233, 244)  
}
```

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(215, 233, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 233, 244) }
```

Border

The CSS property to change the border of an element to Yxy 79.2566, 0.2943, 0.3173 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(215, 233, 244) }
```

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

```
.border{ border-color:rgb(215, 233, 244) }
```

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

Here you see how a box with a 4 pixel rgb(215, 233, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 233, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 233, 244);  
box-shadow:4px 4px 4px 4px rgb(215, 233,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 79.2566, 0.2943, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 233, 244) }
```

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

```
.background{ background-color: rgb(215,  
233, 244) }
```

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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