

Converting Colors

Yxy(80.0432, 0.2949, 0.3185)

Have a look what the booklet for
Yxy(80.0432, 0.2949, 0.3185)
contains.

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Color

Yxy(79.9762, 0.2949, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	D8EAF4
RGB	216, 234, 244
RGB Percent	85%, 92%, 96%
CMY	0.1529, 0.0823, 0.0431
CMYK	0.11, 0.04, 0.00, 0.04
HSL	201°, 56%, 90%
HSV	201°, 11%, 96%
XYZ	74.0734, 79.9762, 97.1319
YIQ	229.7580, -13.9380, -0.7060

Conversions

Conversions Part 2

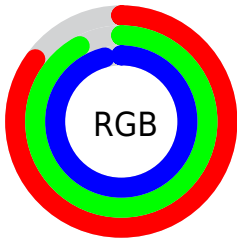
Format	Color
R _Y B	216, 227, 244
Decimal	14215924
CIE Lab	91.67, -3.99, -6.88
CIE LCh	92, 7.955, 239.932
Yxy	79.9762, 0.2949, 0.3184
Android (android.graphics.Color)	4292406004 (0xFFD8EAF4)
YUV	229.7580, 7.0213, -12.0658
Hunter-Lab	89.4294, -8.6518, -1.7960

Details

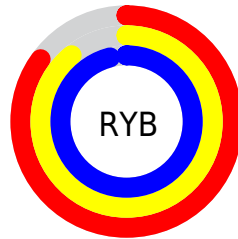
The Yxy color **79.9762, 0.2949, 0.3184** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.5972, 0.3321, 0.3394**, and the grayscale version is **78.9005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0487, 0.2907, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **71.6891, 0.2792, 0.3081**, and if you desaturate by 10%, it is **89.0665, 0.3104, 0.3277**.

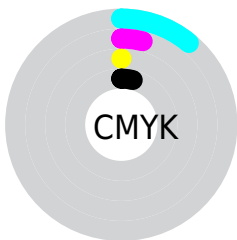
Distribution



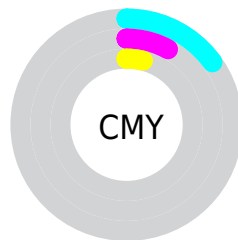
- Red (85%)
- Green (92%)
- Blue (96%)



- Red (85%)
- Yellow (89%)
- Blue (96%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (15%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.9762, 0.2949, 0.3184 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 79.9762, 0.2949, 0.3184 by changing the saturation by 10% instead.

■ 79.9762, 0.2949,
0.3184

■ 79.9762, 0.2949,
0.3184

494.8526, 0.3030,
0.3233

■ 59.6988, 0.2931,
0.3173

133.3323, 0.2977,
0.3201

■ 43.1759, 0.2909,
0.3159

167.1797, 0.2988,
0.3207

■ 30.0231, 0.2881,
0.3142

206.3192, 0.2997,
0.3213

■ 19.8562, 0.2846,
0.3120

251.1353, 0.3005,
0.3218

■ 12.2905, 0.2798,
0.3090

302.0123, 0.3012,
0.3222

■ 6.9419, 0.2731,
0.3047

359.3346, 0.3019,

■ 3.4258, 0.2629,

0.3226

0.2980

423.4865, 0.3025,
0.3230

■ 1.3578, 0.2460,
0.2866

■ 0.1853, 0.0833,
0.1956

■ 79.9762, 0.2949,
0.3184

■ 79.9762, 0.2949,
0.3184

■ 71.6891, 0.2792,
0.3081

■ 89.0665, 0.3104,
0.3277

■ 64.1673, 0.2637,
0.2969

■ 97.0679, 0.3193,
0.3362

■ 57.3848, 0.2488,
0.2847

■ 99.3126, 0.3191,
0.3395

■ 51.3095, 0.2347,
0.2718

■ 45.9066, 0.2219,
0.2583

■ 41.1377, 0.2109,
0.2444

■ 36.9589, 0.2018,
0.2305

■ 33.3182, 0.1948,
0.2167

■ 30.5731, 0.1904,
0.2053

Harmonies

Analogous

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



79.9762, 0.2961, 0.3258



79.9762, 0.2949, 0.3184



79.9762, 0.2984, 0.3139

Triad

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



79.9762, 0.2949, 0.3184



79.9762, 0.3238, 0.3237



79.9762, 0.3196, 0.3450

Complementary

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



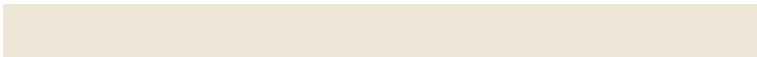
79.9762, 0.2949, 0.3184



78.5972, 0.3321, 0.3394

Split Complementary

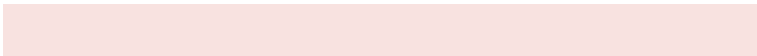
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9762, 0.3272, 0.3442



79.9762, 0.2949, 0.3184



79.9762, 0.3296, 0.3318

Square

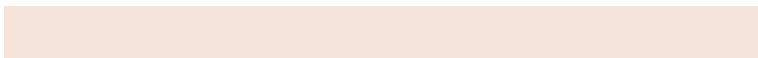
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



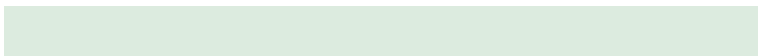
79.9762, 0.2949, 0.3184



79.9762, 0.3150, 0.3171



79.9762, 0.3309, 0.3393



79.9762, 0.3103, 0.3414

Rectangle

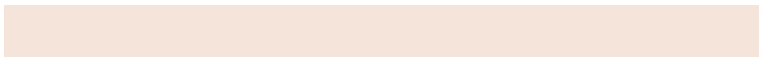
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



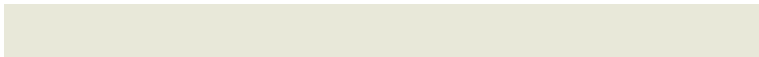
79.9762, 0.2949, 0.3184



79.9762, 0.3029, 0.3132



79.9762, 0.3309, 0.3393



79.9762, 0.3224, 0.3453

Sweetspot

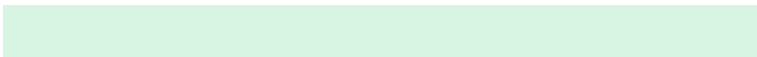
The Sweet Spot groups the original color and five complimentary colors.



79.9795, 0.2949, 0.3184



96.8454, 0.3081, 0.3264



84.7911, 0.3055, 0.3483



20.5514, 0.3068, 0.3256



0.0000, 0.0000, 0.0000



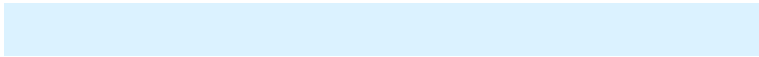
21.4041, 0.3127, 0.3290

Same Dimension

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



79.9795, 0.2949, 0.3184



85.9725, 0.2909, 0.3159



72.4279, 0.2946, 0.3035



17.7029, 0.2980, 0.3203



16.8893, 0.1910, 0.2074



1.6782, 0.1957, 0.2244

Inverse Universe

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



74.2915, 0.3208, 0.3106



78.5048, 0.3228, 0.3064



86.4048, 0.3304, 0.3532



16.6618, 0.3193, 0.3139



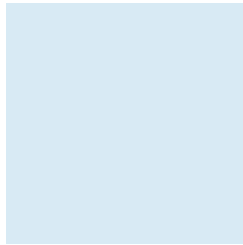
11.8044, 0.4369, 0.2181



1.0571, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 79.9762, 0.2949, 0.3184 looks on a white background.

Color Contrast Check

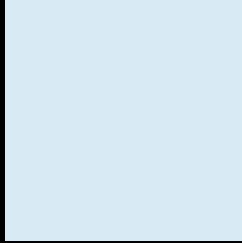
Large Text (above 18pt) WCAG AA × Fail

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 79.9762, 0.2949, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

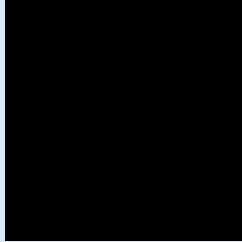
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

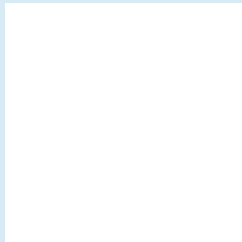
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9762, 0.2949, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 79.9762, 0.2949, 0.3184.

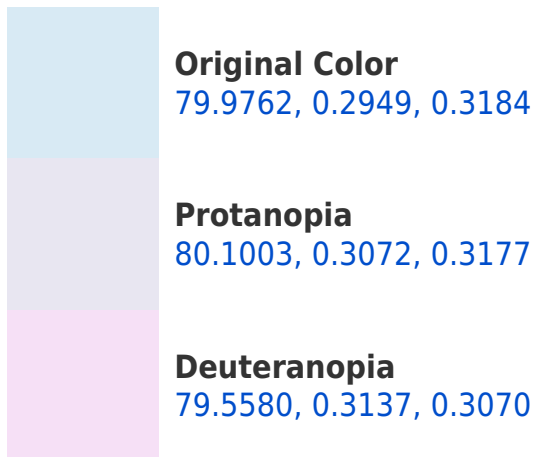


This preview shows how white text looks on a background with the Yxy color 79.9762, 0.2949, 0.3184.

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

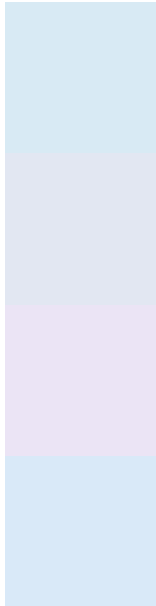




Tritanopia

79.9946, 0.2914, 0.3102

Trichromacy



Original Color

79.9762, 0.2949, 0.3184

Protanomaly

79.7314, 0.3026, 0.3175

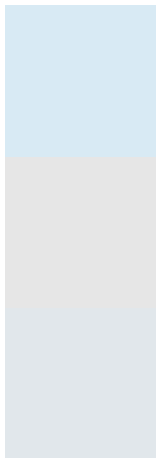
Deuteranomaly

79.7415, 0.3067, 0.3117

Tritanomaly

79.8069, 0.2932, 0.3132

Monochromacy



Original Color

79.9762, 0.2949, 0.3184

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.1575, 0.3062, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9762, 0.2949, 0.3184 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(216, 234, 244)` looks like.

```
.text, #text, p{  
    color:rgb(216, 234, 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(216, 234, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 234, 244) }
```

Border

The CSS property to change the border of an element to Yxy 79.9762, 0.2949, 0.3184 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(216, 234, 244) }
```

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

```
.border{ border-color:rgb(216, 234, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 234, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 234, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 234, 244);  
box-shadow:4px 4px 4px 4px rgb(216, 234,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9762, 0.2949, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 234, 244) }
```

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

```
.background{ background-color: rgb(216,  
234, 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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