

Converting Colors

$Yxy(81.1030, 0.3047, 0.3377)$

Have a look what the booklet for
Yxy(81.1030, 0.3047, 0.3377)
contains.

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Color

Yxy(80.9772, 0.3044, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	D9EDE5
RGB	217, 237, 229
RGB Percent	85%, 93%, 90%
CMY	0.1492, 0.0705, 0.1019
CMYK	0.08, 0.00, 0.03, 0.07
HSL	156°, 36%, 89%
HSV	156°, 8%, 93%
XYZ	73.0354, 80.9772, 85.9198
YIQ	230.1080, -9.3520, -6.7280

Conversions

Conversions Part 2

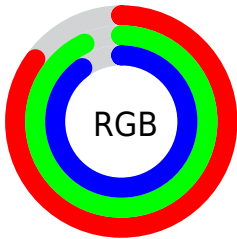
Format	Color
R _Y B	217, 230, 237
Decimal	14282213
CIE Lab	92.12, -8.07, 1.60
CIE LCh	92, 8.230, 168.791
Yxy	80.9772, 0.3044, 0.3375
Android (android.graphics.Color)	4292472293 (0xFFD9EDE5)
YUV	230.1080, -0.5462, -11.4957
Hunter-Lab	89.9873, -12.6038, 6.3811

Details

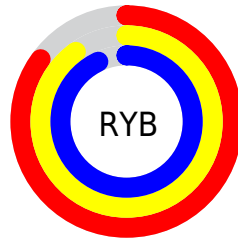
The Yxy color $80.9772, 0.3044, 0.3375$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $73.0480, 0.3218, 0.3207$, and the grayscale version is $79.2225, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.7851, 0.3022, 0.3387$ is the 20% darker color. If you saturate the color by 10%, you get $77.0925, 0.2949, 0.3486$, and if you desaturate by 10%, it is $85.4191, 0.3142, 0.3275$.

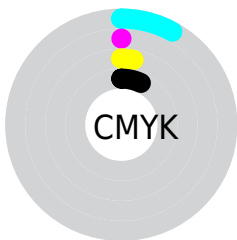
Distribution



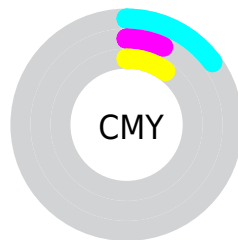
- Red (85%)
- Green (93%)
- Blue (90%)



- Red (85%)
- Yellow (90%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (15%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9772, 0.3044, 0.3375 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 80.9772, 0.3044, 0.3375 by changing the saturation by 10% instead.


 80.9772, 0.3044,
0.3375

 80.9772, 0.3044,
0.3375


498.2200, 0.3082,
0.3336

 60.5228, 0.3035,
0.3384


134.7388, 0.3057,
0.3362

 43.8402, 0.3025,
0.3395


168.8147, 0.3062,
0.3356

 30.5449, 0.3012,
0.3408


208.2000, 0.3067,
0.3352

 20.2525, 0.2995,
0.3426

253.2790, 0.3070,
0.3348

 12.5787, 0.2972,
0.3449

304.4361, 0.3074,
0.3345

 7.1391, 0.2939,
0.3483

362.0557, 0.3077,

 3.5493, 0.2889,

0.3341

426.5222, 0.3080,
0.3339

0.3536

1.4248, 0.2803,
0.3626

0.2349, 0.0646,
0.5801

80.9772, 0.3044,
0.3375

80.9772, 0.3044,
0.3375

77.0925, 0.2949,
0.3486

85.4191, 0.3142,
0.3275

73.7321, 0.2859,
0.3608

88.6091, 0.3179,
0.3184

70.8753, 0.2778,
0.3741

89.0565, 0.3135,
0.3117

68.4959, 0.2708,
0.3884

■ 66.5654, 0.2654,
0.4034

■ 65.0521, 0.2617,
0.4189

■ 63.9201, 0.2601,
0.4346

■ 63.1268, 0.2605,
0.4502

■ 62.6113, 0.2628,
0.4653

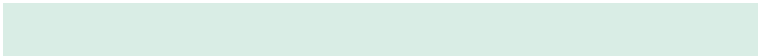
Harmonies

Analogous

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



80.9772, 0.3138, 0.3437



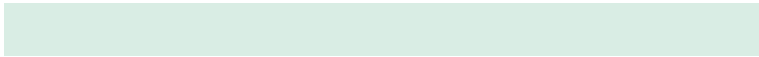
80.9772, 0.3044, 0.3375



80.9772, 0.2973, 0.3290

Triad

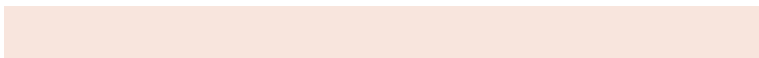
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9772, 0.3044, 0.3375



80.9772, 0.3023, 0.3127



80.9772, 0.3316, 0.3369

Complementary

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



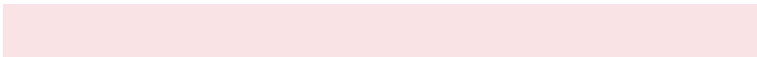
80.9772, 0.3044, 0.3375



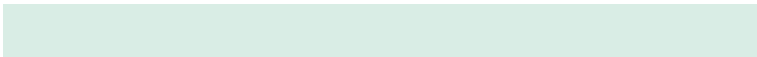
73.0480, 0.3218, 0.3207

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.



80.9772, 0.3284, 0.3287



80.9772, 0.3044, 0.3375



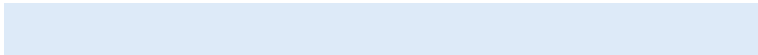
80.9772, 0.3114, 0.3149

Square

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



80.9772, 0.3044, 0.3375



80.9772, 0.2961, 0.3147



80.9772, 0.3210, 0.3207



80.9772, 0.3296, 0.3432

Rectangle

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



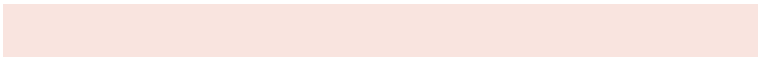
80.9772, 0.3044, 0.3375



80.9772, 0.2947, 0.3233



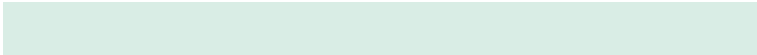
80.9772, 0.3210, 0.3207



80.9772, 0.3311, 0.3343

Sweetspot

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



80.9806, 0.3044, 0.3375



98.3829, 0.3097, 0.3319



81.5893, 0.3171, 0.3503



20.9677, 0.3089, 0.3327



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.



80.9806, 0.3044, 0.3375



94.8424, 0.3029, 0.3392



80.2832, 0.2996, 0.3268



17.0142, 0.3034, 0.3386



34.1685, 0.2626, 0.4652



2.7020, 0.2567, 0.4442

Inverse Universe

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



73.0480, 0.3218, 0.3207



83.8475, 0.3237, 0.3190



73.6614, 0.3272, 0.3312



15.1536, 0.3230, 0.3196



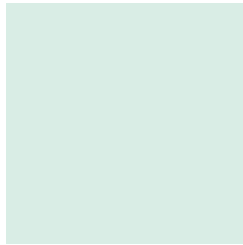
10.3006, 0.5379, 0.2737



0.8274, 0.5012, 0.2535

Previews

White Background



This preview shows how the Yxy color 80.9772, 0.3044, 0.3375 looks on a white background.

Color Contrast Check

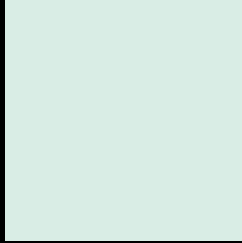
Large Text (above 18pt) WCAG AA × Fail

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 80.9772, 0.3044, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

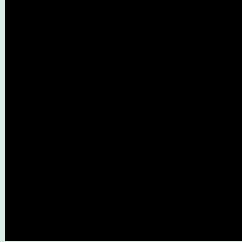
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

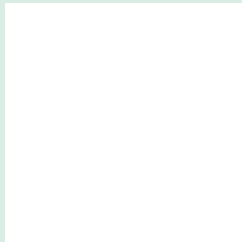
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.9772, 0.3044, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 80.9772, 0.3044, 0.3375.

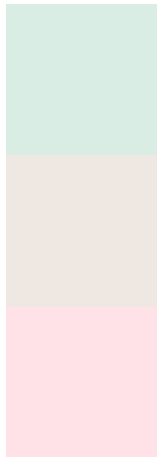


This preview shows how white text looks on a background with the Yxy color 80.9772, 0.3044, 0.3375.

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

80.9772, 0.3044, 0.3375

Protanopia

80.8200, 0.3207, 0.3342

Deuteranopia

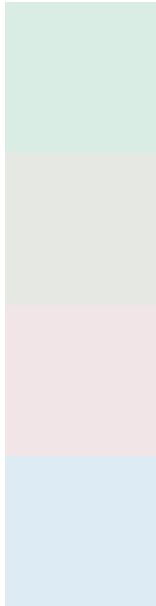
80.9366, 0.3292, 0.3221



Tritanopia

81.2461, 0.2934, 0.3104

Trichromacy



Original Color

80.9772, 0.3044, 0.3375

Protanomaly

80.6469, 0.3145, 0.3353

Deuteranomaly

80.5089, 0.3197, 0.3270

Tritanomaly

81.1640, 0.2975, 0.3196

Monochromacy



Original Color

80.9772, 0.3044, 0.3375

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.9985, 0.3092, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9772, 0.3044, 0.3375 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(217, 237, 229)` looks like.

```
.text, #text, p{  
    color:rgb(217, 237, 229)  
}
```

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(217, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 237, 229) }
```

Border

The CSS property to change the border of an element to Yxy 80.9772, 0.3044, 0.3375 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(217, 237, 229) }
```

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

```
.border{ border-color:rgb(217, 237, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 237, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 237, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 237, 229);  
box-shadow:4px 4px 4px 4px rgb(217, 237,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9772, 0.3044, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 237, 229) }
```

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

```
.background{ background-color: rgb(217,  
237, 229) }
```

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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