

Converting Colors

$Yxy(80.5528, 0.3000, 0.3214)$

Have a look what the booklet for
Yxy(80.5528, 0.3000, 0.3214)
contains.

Yxy(80.5687, 0.2999, 0.3216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.5687, 0.2999, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	DDEAF1
RGB	221, 234, 241
RGB Percent	87%, 92%, 95%
CMY	0.1331, 0.0824, 0.0548
CMYK	0.08, 0.03, 0.00, 0.05
HSL	201°, 42%, 91%
HSV	201°, 8%, 95%
XYZ	75.1323, 80.5687, 94.8235
YIQ	230.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

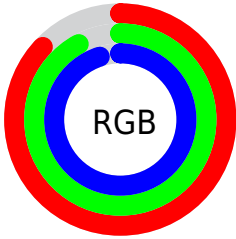
Format	Color
R _Y B	221, 229, 241
Decimal	14543601
CIE Lab	91.94, -2.95, -4.89
CIE LCh	92, 5.709, 238.925
Yxy	80.5687, 0.2999, 0.3216
Android (android.graphics.Color)	4292733681 (0xFFDDEAF1)
YUV	230.9110, 4.9739, -8.6919
Hunter-Lab	89.7601, -7.6694, 0.1974

Details

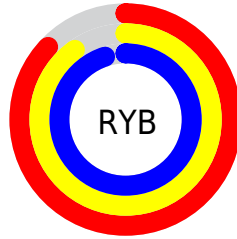
The Yxy color $80.5687, 0.2999, 0.3216$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $79.4590, 0.3263, 0.3363$, and the grayscale version is $79.8177, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.4506, 0.2971, 0.3195$ is the 20% darker color. If you saturate the color by 10%, you get $72.3393, 0.2843, 0.3118$, and if you desaturate by 10%, it is $89.5794, 0.3153, 0.3305$.

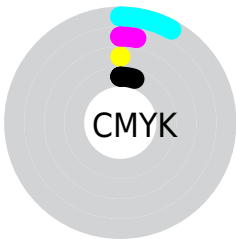
Distribution



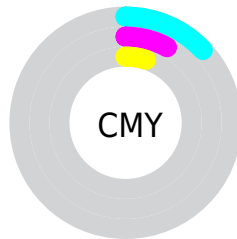
- Red (87%)
- Green (92%)
- Blue (95%)



- Red (87%)
- Yellow (90%)
- Blue (95%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (13%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5687, 0.2999, 0.3216 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 80.5687, 0.2999, 0.3216 by changing the saturation by 10% instead.

■ 80.5687, 0.2999,
0.3216

■ 80.5687, 0.2999,
0.3216

496.8473, 0.3057,
0.3250

■ 60.1864, 0.2986,
0.3208

134.1650, 0.3019,
0.3228

■ 43.5689, 0.2970,
0.3199

168.1478, 0.3027,
0.3232

■ 30.3318, 0.2950,
0.3187

207.4330, 0.3033,
0.3236

■ 20.0905, 0.2924,
0.3172

252.4049, 0.3039,
0.3240

■ 12.4609, 0.2890,
0.3151

303.4478, 0.3045,
0.3243

■ 7.0584, 0.2841,
0.3121

360.9463, 0.3049,

■ 3.4986, 0.2768,

0.3245

0.3075

425.2847, 0.3053,
0.3248

■ 1.3973, 0.2644,
0.2996

■ 0.2147, 0.1432,
0.2328

■ 80.5687, 0.2999,
0.3216

■ 80.5687, 0.2999,
0.3216

■ 72.3393, 0.2843,
0.3118

■ 89.5794, 0.3153,
0.3305

■ 64.8549, 0.2687,
0.3010

■ 96.5810, 0.3212,
0.3386

■ 58.0907, 0.2536,
0.2893

■ 99.1320, 0.3208,
0.3424

■ 52.0169, 0.2393,
0.2769

■ 46.6009, 0.2261,
0.2638

■ 41.8066, 0.2146,
0.2502

■ 37.5936, 0.2049,
0.2365

■ 33.9147, 0.1973,
0.2229

■ 30.7047, 0.1918,
0.2096

Harmonies

Analogous

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



80.5687, 0.3009, 0.3270



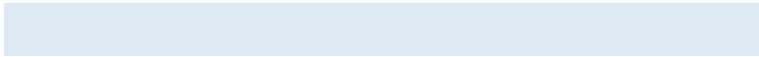
80.5687, 0.2999, 0.3216



80.5687, 0.3023, 0.3183

Triad

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



80.5687, 0.2999, 0.3216



80.5687, 0.3204, 0.3250



80.5687, 0.3179, 0.3405

Complementary

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



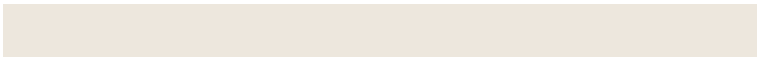
80.5687, 0.2999, 0.3216



79.4590, 0.3263, 0.3363

Split Complementary

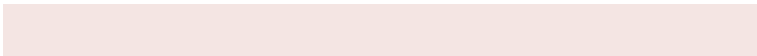
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.5687, 0.3232, 0.3398



80.5687, 0.2999, 0.3216



80.5687, 0.3247, 0.3309

Square

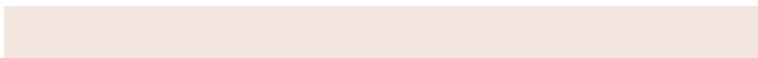
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5687, 0.2999, 0.3216



80.5687, 0.3141, 0.3203



80.5687, 0.3257, 0.3363



80.5687, 0.3112, 0.3380

Rectangle

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



80.5687, 0.2999, 0.3216



80.5687, 0.3055, 0.3176



80.5687, 0.3257, 0.3363



80.5687, 0.3199, 0.3406

Sweetspot

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



80.5721, 0.2999, 0.3216



97.9053, 0.3096, 0.3273



83.9056, 0.3075, 0.3427



20.9778, 0.3098, 0.3274



0.0000, 0.0000, 0.0000



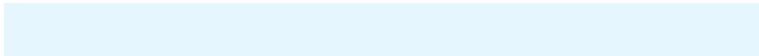
21.4041, 0.3127, 0.3290

Same Dimension

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



80.5721, 0.2999, 0.3216



89.8858, 0.2972, 0.3200



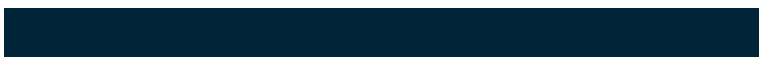
75.0694, 0.2999, 0.3110



16.9379, 0.2980, 0.3205



16.6291, 0.1915, 0.2095



1.5696, 0.1964, 0.2270

Inverse Universe

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



76.3847, 0.3183, 0.3158



84.2310, 0.3196, 0.3129



85.0900, 0.3253, 0.3464



15.9314, 0.3192, 0.3138



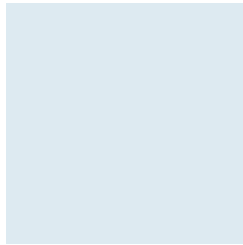
11.4721, 0.4346, 0.2168



0.9732, 0.4157, 0.2064

Previews

White Background



This preview shows how the Yxy color 80.5687, 0.2999, 0.3216 looks on a white background.

Color Contrast Check

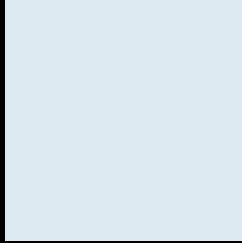
Large Text (above 18pt) WCAG AA × Fail

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 80.5687, 0.2999, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

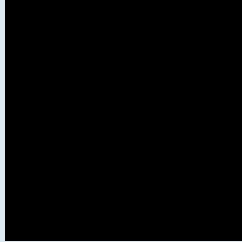
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

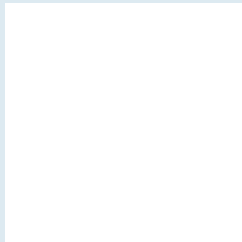
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5687, 0.2999, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 80.5687, 0.2999, 0.3216.

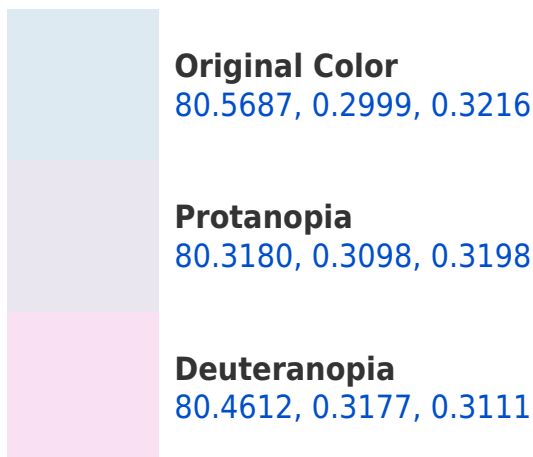


This preview shows how white text looks on a background with the Yxy color 80.5687, 0.2999, 0.3216.

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

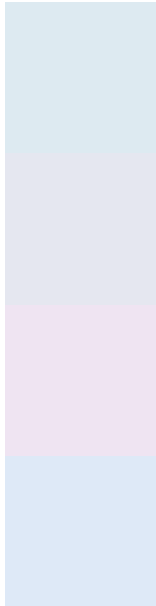




Tritanopia

80.3662, 0.2952, 0.3093

Trichromacy



Original Color

80.5687, 0.2999, 0.3216

Protanomaly

80.1011, 0.3058, 0.3197

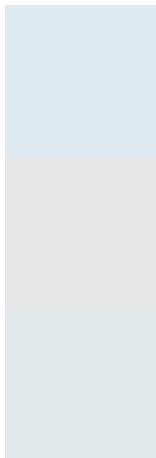
Deuteranomaly

80.2483, 0.3113, 0.3148

Tritanomaly

80.5228, 0.2970, 0.3144

Monochromacy



Original Color

80.5687, 0.2999, 0.3216

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0423, 0.3075, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5687, 0.2999, 0.3216 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(221, 234, 241)` looks like.

```
.text, #text, p{  
    color:rgb(221, 234, 241)  
}
```

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(221, 234, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 234, 241) }
```

Border

The CSS property to change the border of an element to Yxy 80.5687, 0.2999, 0.3216 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(221, 234, 241) }
```

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

```
.border{ border-color:rgb(221, 234, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 234, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 234, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 234, 241);  
box-shadow:4px 4px 4px 4px rgb(221, 234,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5687, 0.2999, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 234, 241) }
```

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

```
.background{ background-color: rgb(221,  
234, 241) }
```

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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