

Converting Colors

Yxy(80.6698, 0.2985, 0.3150)

Have a look what the booklet for
Yxy(80.6698, 0.2985, 0.3150)
contains.

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Color

Yxy(80.7789, 0.2988, 0.3155)

Conversions

Conversions Part 1

Format	Color
Hex	E0E9F6
RGB	224, 233, 246
RGB Percent	88%, 91%, 96%
CMY	0.1218, 0.0862, 0.0353
CMYK	0.09, 0.05, 0.00, 0.04
HSL	215°, 55%, 92%
HSV	215°, 9%, 96%
XYZ	76.5031, 80.7789, 98.7525
YIQ	231.7910, -9.5370, 2.1350

Conversions

Conversions Part 2

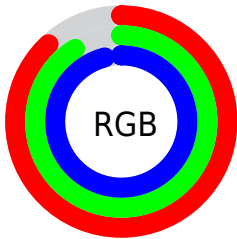
Format	Color
R _Y B	224, 230, 246
Decimal	14739958
CIE Lab	92.03, -0.56, -7.33
CIE LCh	92, 7.351, 265.661
Yxy	80.7789, 0.2988, 0.3155
Android (android.graphics.Color)	4292930038 (0xFFE0E9F6)
YUV	231.7910, 7.0050, -6.8327
Hunter-Lab	89.8771, -5.3462, -2.2310

Details

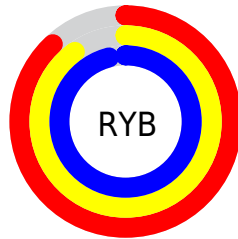
The Yxy color **80.7789, 0.2988, 0.3155** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5071, 0.3270, 0.3421**, and the grayscale version is **80.4808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.5970, 0.2957, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **69.2632, 0.2825, 0.2987**, and if you desaturate by 10%, it is **93.5435, 0.3143, 0.3305**.

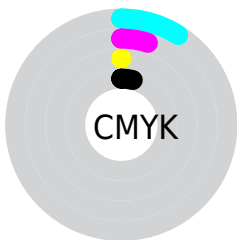
Distribution



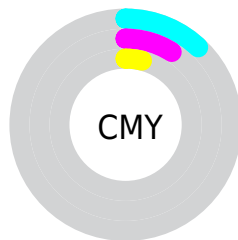
- Red (88%)
- Green (91%)
- Blue (96%)



- Red (88%)
- Yellow (90%)
- Blue (96%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)



- Cyan (12%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7789, 0.2988, 0.3155 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 80.7789, 0.2988, 0.3155 by changing the saturation by 10% instead.

80.7789, 0.2988,
0.3155

80.7789, 0.2988,
0.3155

497.5539, 0.3051,
0.3216

60.3595, 0.2974,
0.3141

134.4603, 0.3010,
0.3176

43.7085, 0.2957,
0.3124

168.4911, 0.3018,
0.3184

30.4414, 0.2935,
0.3103

207.8278, 0.3025,
0.3191

20.1739, 0.2907,
0.3076

252.8548, 0.3032,
0.3198

12.5215, 0.2870,
0.3039

303.9565, 0.3038,
0.3203

7.0999, 0.2817,
0.2988

361.5173, 0.3043,

3.5246, 0.2737,

0.3208

0.2909

425.9217, 0.3047,
0.3212

■ 1.4114, 0.2603,
0.2777

■ 0.2251, 0.1694,
0.1903

■ 80.7789, 0.2988,
0.3155

■ 80.7789, 0.2988,
0.3155

■ 69.2632, 0.2825,
0.2987

■ 93.5435, 0.3143,
0.3305

■ 58.9458, 0.2655,
0.2801

■ 99.4342, 0.3179,
0.3376

■ 49.7873, 0.2482,
0.2598

■ 41.7422, 0.2310,
0.2380

■ 34.7614, 0.2147,
0.2152

■ 28.7915, 0.1997,
0.1921

■ 23.7733, 0.1869,
0.1693

■ 19.6393, 0.1766,
0.1478

■ 16.2978, 0.1692,
0.1283

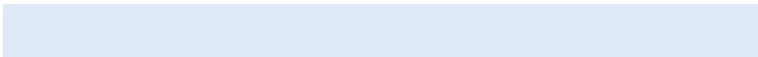
Harmonies

Analogous

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



80.7789, 0.2962, 0.3201



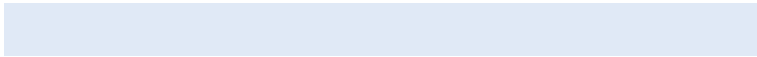
80.7789, 0.2988, 0.3155



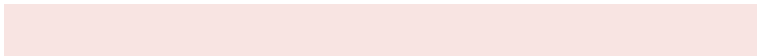
80.7789, 0.3051, 0.3145

Triad

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



80.7789, 0.2988, 0.3155



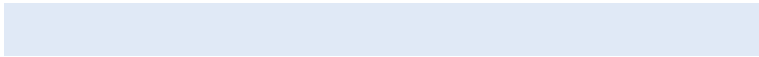
80.7789, 0.3277, 0.3305



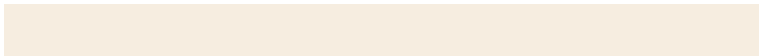
80.7789, 0.3117, 0.3411

Complementary

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



80.7789, 0.2988, 0.3155



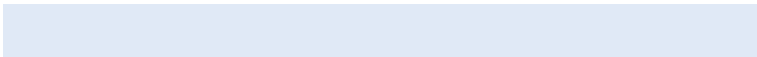
85.5071, 0.3270, 0.3421

Split Complementary

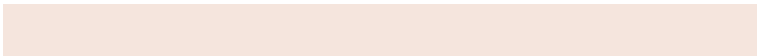
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7789, 0.3202, 0.3439



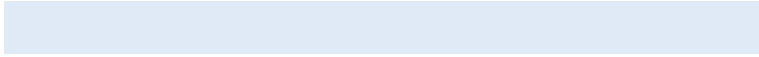
80.7789, 0.2988, 0.3155



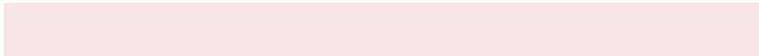
80.7789, 0.3295, 0.3376

Square

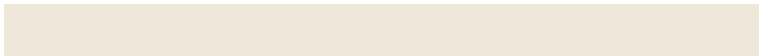
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7789, 0.2988, 0.3155



80.7789, 0.3219, 0.3231



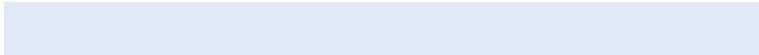
80.7789, 0.3268, 0.3426



80.7789, 0.3036, 0.3350

Rectangle

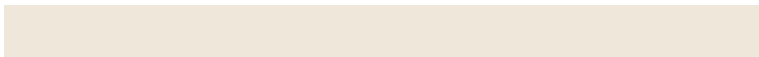
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.7789, 0.2988, 0.3155



80.7789, 0.3106, 0.3160



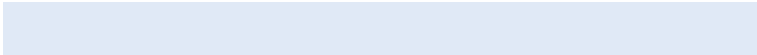
80.7789, 0.3268, 0.3426



80.7789, 0.3146, 0.3425

Sweetspot

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



80.7823, 0.2988, 0.3155



95.7370, 0.3081, 0.3246



87.8590, 0.3041, 0.3385



20.2523, 0.3069, 0.3234



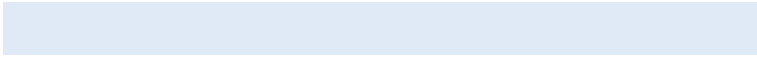
0.0000, 0.0000, 0.0000



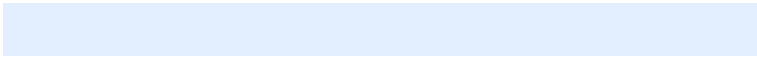
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7823, 0.2988, 0.3155



84.9723, 0.2955, 0.3122



76.0748, 0.3000, 0.3060



17.0456, 0.2980, 0.3147



8.7930, 0.1693, 0.1295



0.9700, 0.1761, 0.1540

Inverse Universe

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



78.7640, 0.3223, 0.3199



82.3722, 0.3247, 0.3177



90.5580, 0.3248, 0.3512



16.5955, 0.3229, 0.3193



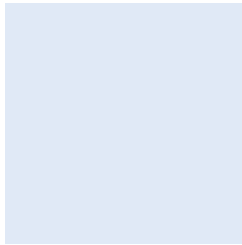
10.9870, 0.5334, 0.2712



0.9856, 0.5007, 0.2532

Previews

White Background



This preview shows how the Yxy color 80.7789, 0.2988, 0.3155 looks on a white background.

Color Contrast Check

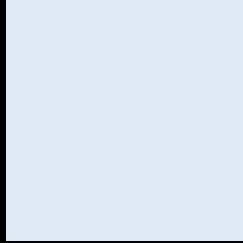
Large Text (above 18pt) WCAG AA × Fail

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 80.7789, 0.2988, 0.3155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

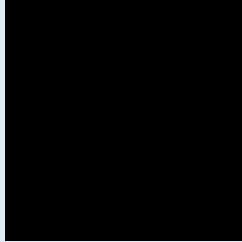
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

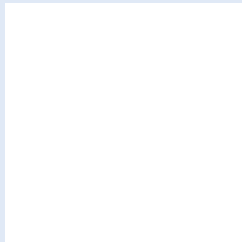
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7789, 0.2988, 0.3155

Background



This preview shows how black text looks on a background with the Yxy color 80.7789, 0.2988, 0.3155.



This preview shows how white text looks on a background with the Yxy color 80.7789, 0.2988, 0.3155.

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

80.7789, 0.2988, 0.3155

Protanopia

80.9002, 0.3047, 0.3147

Deuteranopia

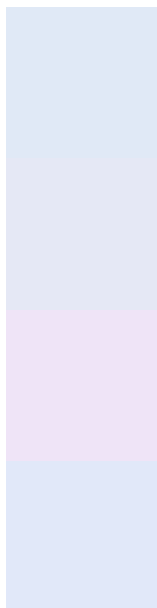
80.4019, 0.3131, 0.3062



Tritanopia

80.6858, 0.2965, 0.3094

Trichromacy



Original Color

80.7789, 0.2988, 0.3155

Protanomaly

80.9638, 0.3027, 0.3156

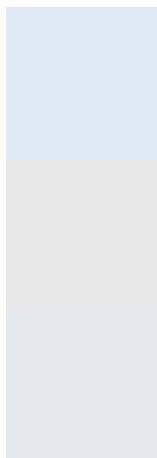
Deuteranomaly

80.5529, 0.3082, 0.3098

Tritanomaly

80.5603, 0.2977, 0.3114

Monochromacy



Original Color

80.7789, 0.2988, 0.3155

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4857, 0.3076, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7789, 0.2988, 0.3155 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(224, 233, 246)` looks like.

```
.text, #text, p{  
    color:rgb(224, 233, 246)  
}
```

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(224, 233, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 233, 246) }
```

Border

The CSS property to change the border of an element to Yxy 80.7789, 0.2988, 0.3155 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(224, 233, 246) }
```

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

```
.border{ border-color:rgb(224, 233, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 233, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 233, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 233, 246);  
box-shadow:4px 4px 4px 4px rgb(224, 233,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7789, 0.2988, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 233, 246) }
```

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

```
.background{ background-color: rgb(224,  
233, 246) }
```

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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