

Converting Colors

Yxy(84.6542, 0.2971, 0.3178)

Have a look what the booklet for
Yxy(84.6542, 0.2971, 0.3178)
contains.

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Color

Yxy(84.6427, 0.2972, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	E1EFFA
RGB	225, 239, 250
RGB Percent	88%, 94%, 98%
CMY	0.1175, 0.0628, 0.0196
CMYK	0.10, 0.04, 0.00, 0.02
HSL	206°, 71%, 93%
HSV	206°, 10%, 98%
XYZ	79.1810, 84.6427, 102.5996
YIQ	236.0680, -11.8750, 0.4530

Conversions

Conversions Part 2

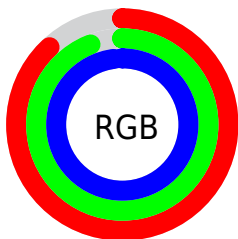
Format	Color
R _Y B	225, 234, 250
Decimal	14807034
CIE Lab	93.73, -2.50, -6.89
CIE LCh	94, 7.328, 250.048
Yxy	84.6427, 0.2972, 0.3177
Android (android.graphics.Color)	4292997114 (0xFFE1EFA)
YUV	236.0680, 6.8685, -9.7066
Hunter-Lab	92.0015, -7.3766, -1.7189

Details

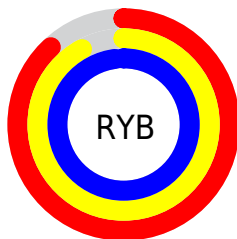
The Yxy color **84.6427, 0.2972, 0.3177** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7739, 0.3291, 0.3400**, and the grayscale version is **83.8951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3081, 0.2937, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **74.6613, 0.2812, 0.3051**, and if you desaturate by 10%, it is **95.6128, 0.3127, 0.3290**.

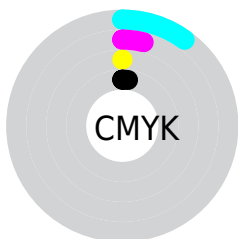
Distribution



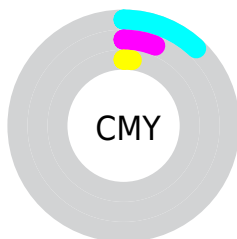
- Red (88%)
- Green (94%)
- Blue (98%)



- Red (88%)
- Yellow (92%)
- Blue (98%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (12%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6427, 0.2972, 0.3177 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 84.6427, 0.2972, 0.3177 by changing the saturation by 10% instead.

84.6427, 0.2972,
0.3177

84.6427, 0.2972,
0.3177

510.4450, 0.3042,
0.3228

63.5462, 0.2957,
0.3166

139.8739, 0.2996,
0.3195

46.2832, 0.2938,
0.3152

174.7773, 0.3005,
0.3201

32.4694, 0.2914,
0.3134

215.0519, 0.3013,
0.3207

21.7203, 0.2884,
0.3112

261.0819, 0.3020,
0.3213

13.6515, 0.2844,
0.3081

313.2519, 0.3027,
0.3217

7.8787, 0.2789,
0.3039

371.9461, 0.3032,

4.0174, 0.2706,

0.3221

437.5490, 0.3037,
0.3225

0.2975

1.6833, 0.2570,
0.2869

0.4128, 0.1978,
0.2464

84.6427, 0.2972,
0.3177

84.6427, 0.2972,
0.3177

74.6613, 0.2812,
0.3051

95.6128, 0.3127,
0.3290

65.6255, 0.2652,
0.2912

99.6817, 0.3156,
0.3338

57.5043, 0.2493,
0.2762

50.2610, 0.2340,
0.2601

■ 43.8554, 0.2198,
0.2432

■ 38.2435, 0.2072,
0.2259

■ 33.3757, 0.1966,
0.2085

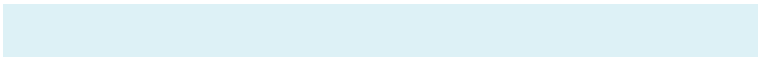
■ 29.1945, 0.1882,
0.1915

■ 25.6096, 0.1820,
0.1752

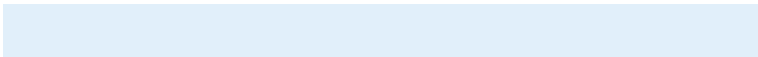
Harmonies

Analogous

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



84.6427, 0.2968, 0.3237



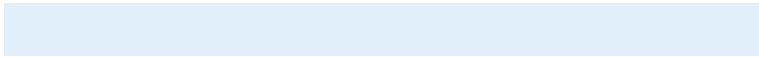
84.6427, 0.2972, 0.3177



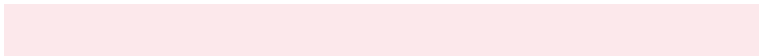
84.6427, 0.3017, 0.3148

Triad

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



84.6427, 0.2972, 0.3177



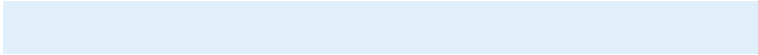
84.6427, 0.3249, 0.3266



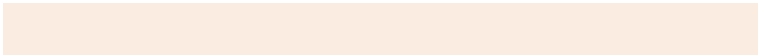
84.6427, 0.3162, 0.3428

Complementary

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



84.6427, 0.2972, 0.3177



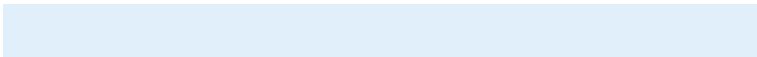
85.7739, 0.3291, 0.3400

Split Complementary

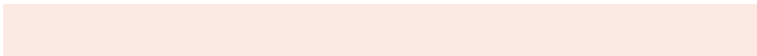
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6427, 0.3238, 0.3434



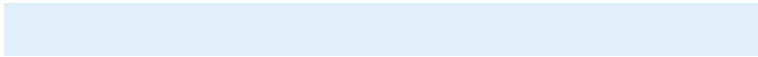
84.6427, 0.2972, 0.3177



84.6427, 0.3289, 0.3340

Square

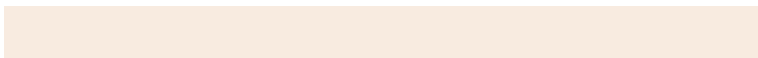
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



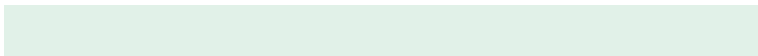
84.6427, 0.2972, 0.3177



84.6427, 0.3176, 0.3200



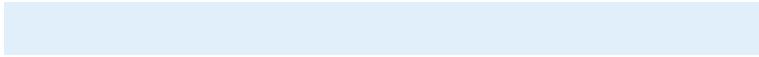
84.6427, 0.3285, 0.3402



84.6427, 0.3077, 0.3383

Rectangle

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



84.6427, 0.2972, 0.3177



84.6427, 0.3064, 0.3150



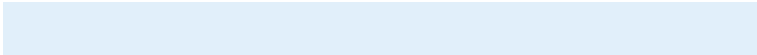
84.6427, 0.3285, 0.3402



84.6427, 0.3189, 0.3435

Sweetspot

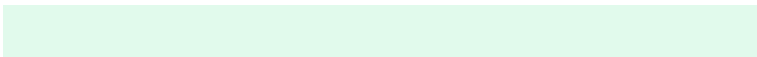
The Sweet Spot groups the original color and five complimentary colors.



84.6463, 0.2972, 0.3177



96.4455, 0.3081, 0.3257



90.4285, 0.3053, 0.3435



20.4434, 0.3069, 0.3248



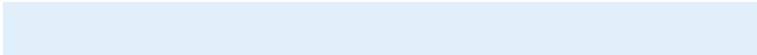
0.0000, 0.0000, 0.0000



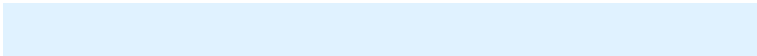
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6463, 0.2972, 0.3177



86.3464, 0.2940, 0.3152



77.6923, 0.2971, 0.3049



18.2534, 0.2980, 0.3183



13.8734, 0.1827, 0.1778



1.4962, 0.1882, 0.1974

Inverse Universe

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



80.4269, 0.3210, 0.3151



81.1682, 0.3229, 0.3122



93.0986, 0.3278, 0.3520



17.3878, 0.3206, 0.3158



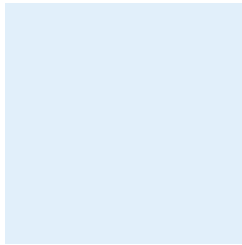
11.8114, 0.4712, 0.2369



1.1153, 0.4482, 0.2243

Previews

White Background



This preview shows how the Yxy color 84.6427, 0.2972, 0.3177 looks on a white background.

Color Contrast Check

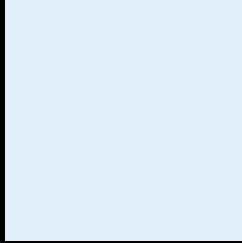
Large Text (above 18pt) WCAG AA × Fail

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 84.6427, 0.2972, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

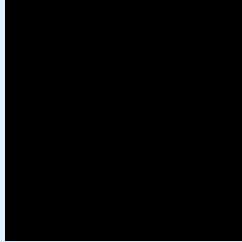
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

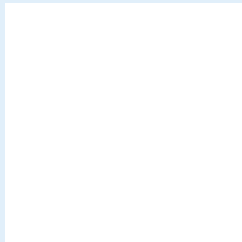
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6427, 0.2972, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 84.6427, 0.2972, 0.3177.

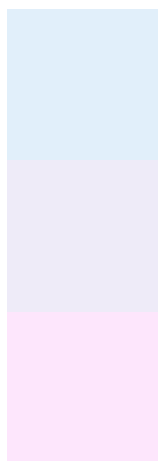


This preview shows how white text looks on a background with the Yxy color 84.6427, 0.2972, 0.3177.

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



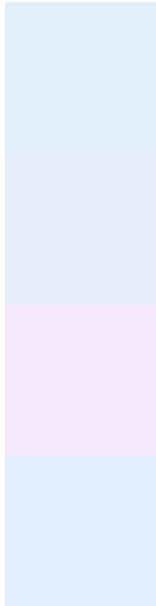
Original Color
84.6427, 0.2972, 0.3177
Protanopia
84.3711, 0.3067, 0.3159
Deuteranopia
84.5046, 0.3144, 0.3076



Tritanopia

84.7000, 0.2955, 0.3117

Trichromacy



Original Color

84.6427, 0.2972, 0.3177

Protanomaly

84.1541, 0.3028, 0.3158

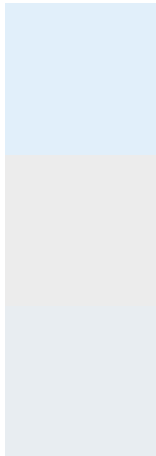
Deuteranomaly

84.2975, 0.3082, 0.3111

Tritanomaly

84.4097, 0.2961, 0.3137

Monochromacy



Original Color

84.6427, 0.2972, 0.3177

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.0751, 0.3070, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6427, 0.2972, 0.3177 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(225, 239, 250)` looks like.

```
.text, #text, p{  
    color:rgb(225, 239, 250)  
}
```

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(225, 239, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 239, 250) }
```

Border

The CSS property to change the border of an element to Yxy 84.6427, 0.2972, 0.3177 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(225, 239, 250) }
```

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

```
.border{ border-color:rgb(225, 239, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 239, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 239, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 239, 250); box-shadow:4px 4px 4px 4px rgb(225, 239, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6427, 0.2972, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 239, 250) }
```

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

```
.background{ background-color: rgb(225,  
239, 250) }
```

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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