

Converting Colors

Yxy(86.4490, 0.3021, 0.3229)

Have a look what the booklet for
Yxy(86.4490, 0.3021, 0.3229)
contains.

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Color

Yxy(86.4490, 0.3021, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	E6F1F7
RGB	230, 241, 247
RGB Percent	90%, 95%, 97%
CMY	0.0979, 0.0549, 0.0315
CMYK	0.07, 0.02, 0.00, 0.03
HSL	201°, 51%, 94%
HSV	201°, 7%, 97%
XYZ	80.8803, 86.4490, 100.3976
YIQ	238.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

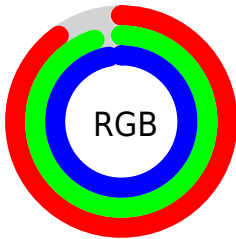
Format	Color
R _Y B	230, 237, 247
Decimal	15135223
CIE Lab	94.50, -2.50, -4.14
CIE LCh	95, 4.836, 238.872
Yxy	86.4490, 0.3021, 0.3229
Android (android.graphics.Color)	4293325303 (0xFFE6F1F7)
YUV	238.3950, 4.2423, -7.3624
Hunter-Lab	92.9780, -7.4367, 1.0632

Details

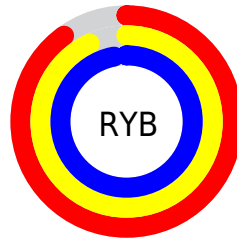
The Yxy color **86.4490, 0.3021, 0.3229** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4778, 0.3239, 0.3350**, and the grayscale version is **85.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4582, 0.2991, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **77.6184, 0.2865, 0.3132**, and if you desaturate by 10%, it is **96.1122, 0.3175, 0.3316**.

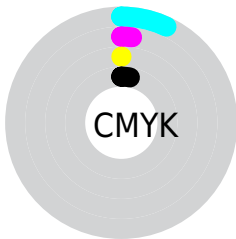
Distribution



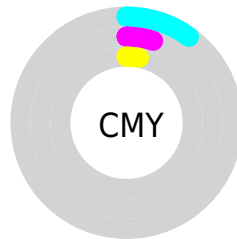
- Red (90%)
- Green (95%)
- Blue (97%)



- Red (90%)
- Yellow (93%)
- Blue (97%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (10%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.4490, 0.3021, 0.3229 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 86.4490, 0.3021, 0.3229 by changing the saturation by 10% instead.

86.4490, 0.3021,
0.3229

86.4490, 0.3021,
0.3229

516.4106, 0.3069,
0.3257

65.0393, 0.3010,
0.3223

142.3959, 0.3037,
0.3238

47.4930, 0.2998,
0.3215

177.7019, 0.3044,
0.3242

33.4255, 0.2982,
0.3206

218.4088, 0.3049,
0.3245

22.4526, 0.2961,
0.3194

264.9010, 0.3054,
0.3248

14.1899, 0.2934,
0.3178

317.5629, 0.3058,
0.3251

8.2528, 0.2896,
0.3155

376.7788, 0.3062,

4.2572, 0.2841,

0.3253

0.3121

442.9333, 0.3065,
0.3255

■ 1.8184, 0.2749,
0.3064

■ 0.4986, 0.2368,
0.2859

■ 86.4490, 0.3021,
0.3229

■ 86.4490, 0.3021,
0.3229

■ 77.6184, 0.2865,
0.3132

■ 96.1122, 0.3175,
0.3316

■ 69.5820, 0.2709,
0.3025

■ 99.4939, 0.3174,
0.3367

■ 62.3138, 0.2556,
0.2909

■ 55.7825, 0.2411,
0.2785

■ 49.9538, 0.2278,
0.2655

■ 44.7900, 0.2160,
0.2519

■ 40.2491, 0.2060,
0.2382

■ 36.2819, 0.1982,
0.2245

■ 32.8272, 0.1924,
0.2111

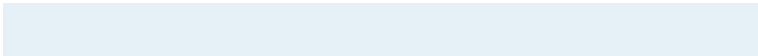
Harmonies

Analogous

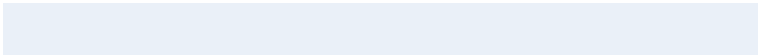
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4490, 0.3029, 0.3274



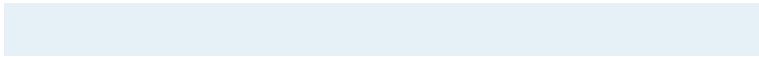
86.4490, 0.3021, 0.3229



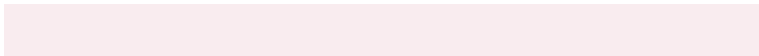
86.4490, 0.3041, 0.3201

Triad

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



86.4490, 0.3021, 0.3229



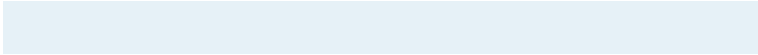
86.4490, 0.3191, 0.3257



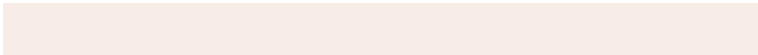
86.4490, 0.3170, 0.3385

Complementary

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



86.4490, 0.3021, 0.3229



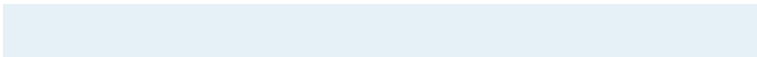
85.4778, 0.3239, 0.3350

Split Complementary

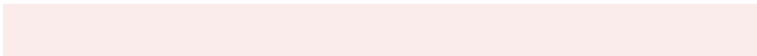
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4490, 0.3214, 0.3379



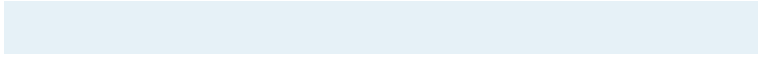
86.4490, 0.3021, 0.3229



86.4490, 0.3226, 0.3305

Square

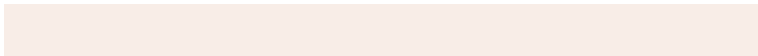
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



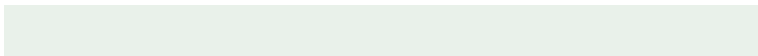
86.4490, 0.3021, 0.3229



86.4490, 0.3139, 0.3218



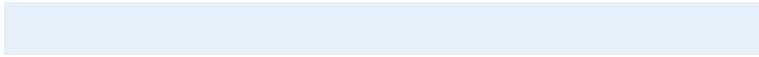
86.4490, 0.3235, 0.3350



86.4490, 0.3115, 0.3364

Rectangle

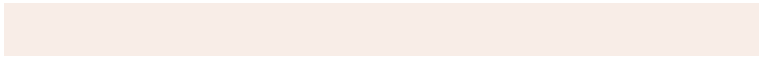
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4490, 0.3021, 0.3229



86.4490, 0.3068, 0.3196



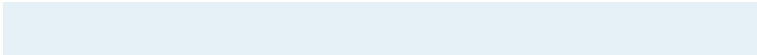
86.4490, 0.3235, 0.3350



86.4490, 0.3187, 0.3386

Sweetspot

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



86.4527, 0.3021, 0.3229



97.9036, 0.3096, 0.3273



89.3880, 0.3084, 0.3402



20.9774, 0.3098, 0.3274



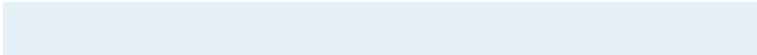
0.0000, 0.0000, 0.0000



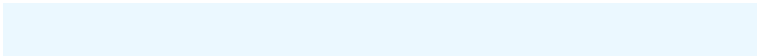
21.4041, 0.3127, 0.3290

Same Dimension

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



86.4527, 0.3021, 0.3229



91.8306, 0.3003, 0.3218



81.5773, 0.3022, 0.3142



17.7171, 0.2980, 0.3205



17.1093, 0.1915, 0.2092



1.6965, 0.1961, 0.2259

Inverse Universe

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



82.7307, 0.3173, 0.3181



87.2132, 0.3181, 0.3162



90.4468, 0.3231, 0.3434



16.6633, 0.3192, 0.3138



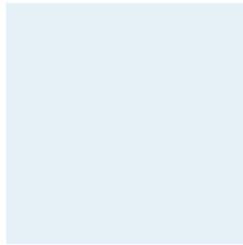
11.8266, 0.4350, 0.2170



1.0589, 0.4169, 0.2070

Previews

White Background



This preview shows how the Yxy color 86.4490, 0.3021, 0.3229 looks on a white background.

Color Contrast Check

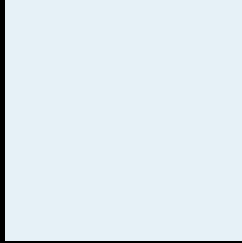
Large Text (above 18pt) WCAG AA × Fail

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 86.4490, 0.3021, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

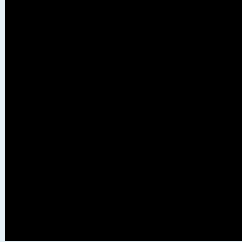
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

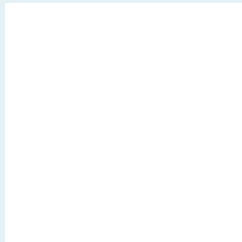
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4490, 0.3021, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 86.4490, 0.3021, 0.3229.

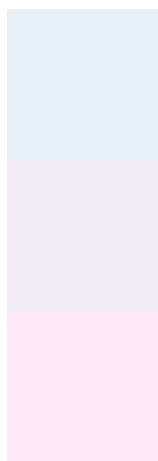


This preview shows how white text looks on a background with the Yxy color 86.4490, 0.3021, 0.3229.

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**

86.4490, 0.3021, 0.3229

Protanopia

86.4424, 0.3104, 0.3220

Deuteranopia

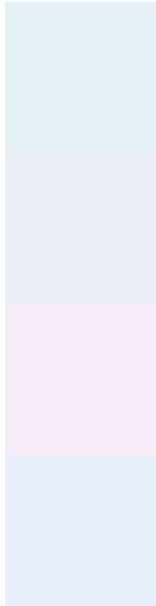
86.2532, 0.3187, 0.3154



Tritanopia

86.2766, 0.2993, 0.3129

Trichromacy



Original Color

86.4490, 0.3021, 0.3229

Protanomaly

86.3913, 0.3072, 0.3220

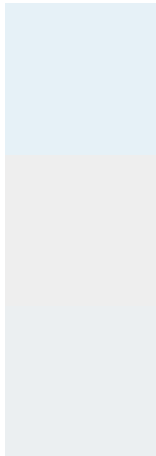
Deuteranomaly

86.2991, 0.3126, 0.3181

Tritanomaly

86.5043, 0.3004, 0.3169

Monochromacy



Original Color

86.4490, 0.3021, 0.3229

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.7460, 0.3089, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4490, 0.3021, 0.3229 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(230, 241, 247)` looks like.

```
.text, #text, p{  
    color:rgb(230, 241, 247)  
}
```

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(230, 241, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 241, 247) }
```

Border

The CSS property to change the border of an element to Yxy 86.4490, 0.3021, 0.3229 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(230, 241, 247) }
```

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

```
.border{ border-color:rgb(230, 241, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 241, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 241, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 241, 247);  
box-shadow:4px 4px 4px 4px rgb(230, 241,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4490, 0.3021, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 241, 247) }
```

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

```
.background{ background-color: rgb(230,  
241, 247) }
```

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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