

Converting Colors

$Yxy(85.8990, 0.2971, 0.3240)$

Have a look what the booklet for
Yxy(85.8990, 0.2971, 0.3240)
contains.

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Color

Yxy(85.7493, 0.2971, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	DEF2F7
RGB	222, 242, 247
RGB Percent	87%, 95%, 97%
CMY	0.1292, 0.0510, 0.0314
CMYK	0.10, 0.02, 0.00, 0.03
HSL	192°, 61%, 92%
HSV	192°, 10%, 97%
XYZ	78.6786, 85.7493, 100.3939
YIQ	236.5900, -13.5250, -2.6850

Conversions

Conversions Part 2

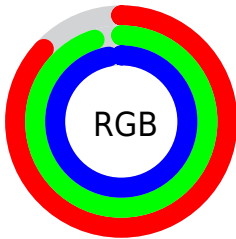
Format	Color
R _{YB}	222, 233, 247
Decimal	14611191
CIE Lab	94.21, -5.55, -4.65
CIE LCh	94, 7.242, 219.971
Yxy	85.7493, 0.2971, 0.3238
Android (android.graphics.Color)	4292801271 (0xFFDEF2F7)
YUV	236.5900, 5.1321, -12.7954
Hunter-Lab	92.6009, -10.3887, 0.5410

Details

The Yxy color **85.7493, 0.2971, 0.3238** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.0278, 0.3300, 0.3341**, and the grayscale version is **84.3338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0949, 0.2936, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **79.2207, 0.2819, 0.3181**, and if you desaturate by 10%, it is **92.9365, 0.3126, 0.3290**.

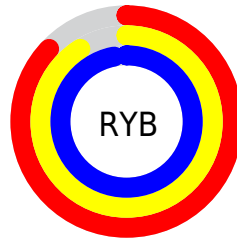
Distribution



Red (87%)

Green (95%)

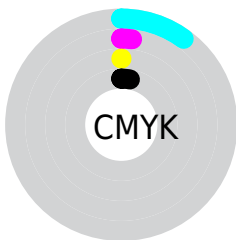
Blue (97%)



Red (87%)

Yellow (91%)

Blue (97%)

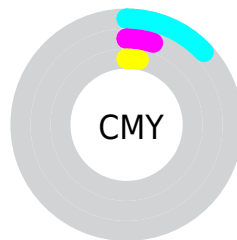


Cyan (10%)

Magenta (2%)

Yellow (0%)

Black (3%)



Cyan (13%)

Magenta (5%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7493, 0.2971, 0.3238 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 85.7493, 0.2971, 0.3238 by changing the saturation by 10% instead.

85.7493, 0.2971,
0.3238

85.7493, 0.2971,
0.3238

514.1042, 0.3041,
0.3262

64.4607, 0.2956,
0.3233

141.4196, 0.2995,
0.3246

47.0239, 0.2937,
0.3226

176.5701, 0.3004,
0.3249

33.0546, 0.2913,
0.3218

217.1099, 0.3012,
0.3252

22.1682, 0.2883,
0.3207

263.4236, 0.3019,
0.3255

13.9806, 0.2844,
0.3192

315.8955, 0.3026,
0.3257

8.1072, 0.2788,
0.3171

374.9099, 0.3031,

4.1636, 0.2706,

0.3259

0.3140

440.8514, 0.3036,
0.3260

■ 1.7655, 0.2573,
0.3085

■ 0.4655, 0.1913,
0.2901

■ 85.7493, 0.2971,
0.3238

■ 85.7493, 0.2971,
0.3238

■ 79.2207, 0.2819,
0.3181

■ 92.9365, 0.3126,
0.3290

■ 73.3146, 0.2674,
0.3120

■ 97.5376, 0.3175,
0.3337

■ 68.0073, 0.2537,
0.3055

■ 99.4950, 0.3173,
0.3367

■ 63.2695, 0.2414,
0.2985

■ 59.0691, 0.2306,
0.2913

■ 55.3700, 0.2216,
0.2840

■ 52.1315, 0.2146,
0.2766

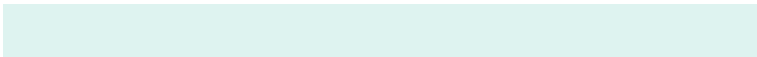
■ 49.3047, 0.2095,
0.2692

■ 46.8308, 0.2061,
0.2620

Harmonies

Analogous

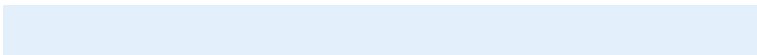
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7493, 0.3009, 0.3313



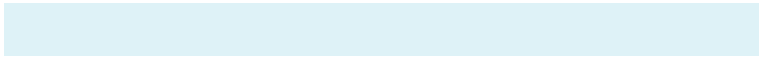
85.7493, 0.2971, 0.3238



85.7493, 0.2974, 0.3179

Triad

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



85.7493, 0.2971, 0.3238



85.7493, 0.3175, 0.3201



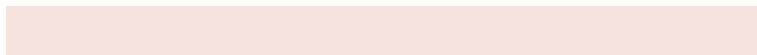
85.7493, 0.3236, 0.3432

Complementary

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



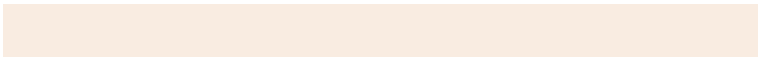
85.7493, 0.2971, 0.3238



80.0278, 0.3300, 0.3341

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.



85.7493, 0.3282, 0.3400



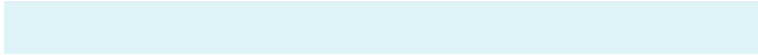
85.7493, 0.2971, 0.3238



85.7493, 0.3247, 0.3267

Square

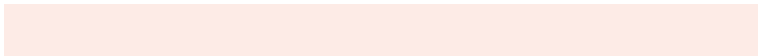
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



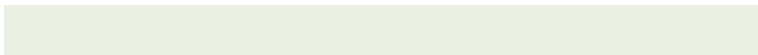
85.7493, 0.2971, 0.3238



85.7493, 0.3091, 0.3159



85.7493, 0.3286, 0.3339



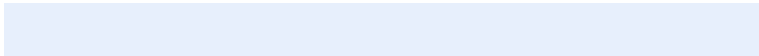
85.7493, 0.3161, 0.3426

Rectangle

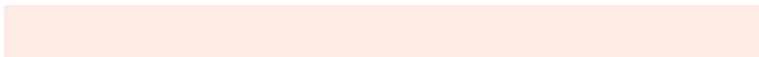
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



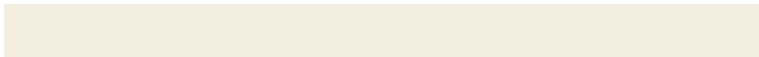
85.7493, 0.2971, 0.3238



85.7493, 0.3000, 0.3156



85.7493, 0.3286, 0.3339



85.7493, 0.3256, 0.3425

Sweetspot

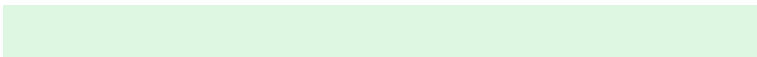
The Sweet Spot groups the original color and five complimentary colors.



85.7529, 0.2971, 0.3238



97.6018, 0.3081, 0.3275



87.6069, 0.3086, 0.3498



20.7560, 0.3068, 0.3271



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.



85.7529, 0.2971, 0.3238



90.7938, 0.2941, 0.3228



78.5957, 0.2970, 0.3108



18.1595, 0.2980, 0.3241



24.9754, 0.2065, 0.2632



2.3351, 0.2090, 0.2724

Inverse Universe

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



78.4611, 0.3172, 0.3091



81.6172, 0.3181, 0.3051



87.0860, 0.3286, 0.3466



16.7079, 0.3169, 0.3103



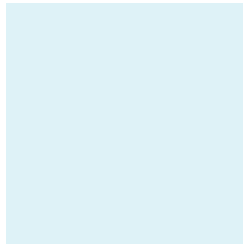
12.6207, 0.3793, 0.1863



1.1234, 0.3706, 0.1815

Previews

White Background



This preview shows how the Yxy color 85.7493, 0.2971, 0.3238 looks on a white background.

Color Contrast Check

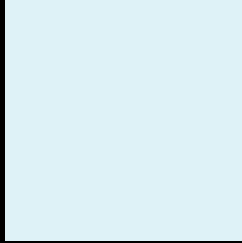
Large Text (above 18pt) WCAG AA × Fail

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 85.7493, 0.2971, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

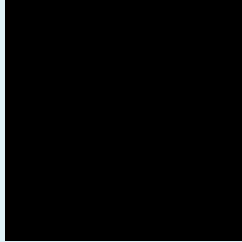
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

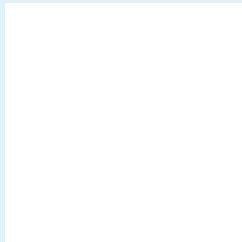
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.7493, 0.2971, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 85.7493, 0.2971, 0.3238.

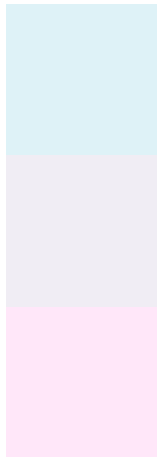


This preview shows how white text looks on a background with the Yxy color 85.7493, 0.2971, 0.3238.

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

85.7493, 0.2971, 0.3238

Protanopia

85.6253, 0.3104, 0.3220

Deuteranopia

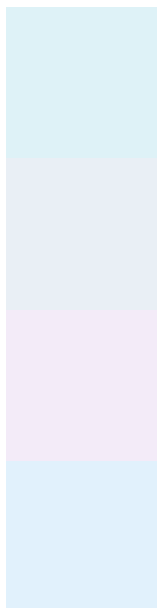
85.2514, 0.3176, 0.3115



Tritanopia

85.8711, 0.2956, 0.3138

Trichromacy



Original Color

85.7493, 0.2971, 0.3238

Protanomaly

85.6492, 0.3052, 0.3229

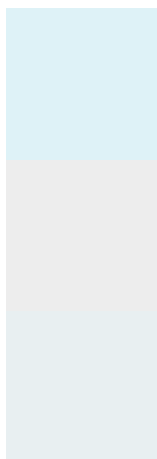
Deuteranomaly

85.2487, 0.3100, 0.3161

Tritanomaly

85.9464, 0.2960, 0.3177

Monochromacy



Original Color

85.7493, 0.2971, 0.3238

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.2397, 0.3069, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.7493, 0.2971, 0.3238 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(222, 242, 247)` looks like.

```
.text, #text, p{  
    color:rgb(222, 242, 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(222, 242, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 242, 247) }
```

Border

The CSS property to change the border of an element to Yxy 85.7493, 0.2971, 0.3238 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(222, 242, 247) }
```

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

```
.border{ border-color:rgb(222, 242, 247) }
```

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

Here you see how a box with a 4 pixel rgb(222, 242, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 242, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 242, 247);  
box-shadow:4px 4px 4px 4px rgb(222, 242,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 85.7493, 0.2971, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 242, 247) }
```

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

```
.background{ background-color: rgb(222,  
242, 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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