

Converting Colors

Yxy(84.8566, 0.2954, 0.3229)

Have a look what the booklet for
Yxy(84.8566, 0.2954, 0.3229)
contains.

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Color

Yxy(84.6861, 0.2952, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	DBF1F7
RGB	219, 241, 247
RGB Percent	86%, 95%, 97%
CMY	0.1410, 0.0549, 0.0313
CMYK	0.11, 0.02, 0.00, 0.03
HSL	193°, 64%, 91%
HSV	193°, 11%, 97%
XYZ	77.4693, 84.6861, 100.2744
YIQ	235.1060, -15.0380, -2.7980

Conversions

Conversions Part 2

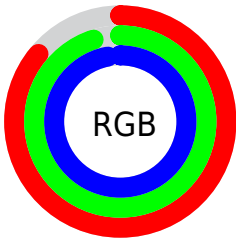
Format	Color
R _Y B	219, 231, 247
Decimal	14414327
CIE Lab	93.75, -6.00, -5.36
CIE LCh	94, 8.045, 221.812
Yxy	84.6861, 0.2952, 0.3227
Android (android.graphics.Color)	4292604407 (0xFFDBF1F7)
YUV	235.1060, 5.8637, -14.1250
Hunter-Lab	92.0251, -10.7775, -0.1874

Details

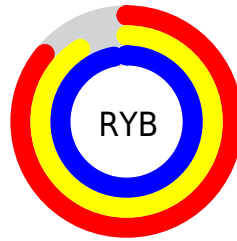
The Yxy color **84.6861, 0.2952, 0.3227** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.7856, 0.3323, 0.3352**, and the grayscale version is **83.1340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3520, 0.2912, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **78.0316, 0.2800, 0.3166**, and if you desaturate by 10%, it is **92.0083, 0.3107, 0.3283**.

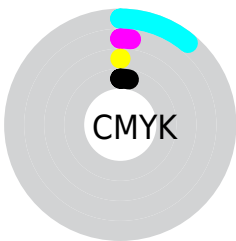
Distribution



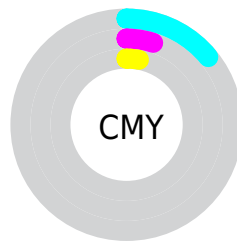
- Red (86%)
- Green (95%)
- Blue (97%)



- Red (86%)
- Yellow (91%)
- Blue (97%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (14%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6861, 0.2952, 0.3227 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 84.6861, 0.2952, 0.3227 by changing the saturation by 10% instead.

84.6861, 0.2952,
0.3227

84.6861, 0.2952,
0.3227

510.5888, 0.3031,
0.3256

63.5820, 0.2935,
0.3220

139.9345, 0.2979,
0.3237

46.3122, 0.2913,
0.3212

174.8477, 0.2989,
0.3241

32.4923, 0.2887,
0.3202

215.1327, 0.2998,
0.3244

21.7378, 0.2853,
0.3189

261.1739, 0.3006,
0.3247

13.6644, 0.2808,
0.3171

313.3557, 0.3014,
0.3250

7.8876, 0.2746,
0.3146

372.0625, 0.3020,

4.0231, 0.2653,

0.3252

0.3106

437.6788, 0.3025,
0.3254

■ 1.6865, 0.2502,
0.3039

■ 0.4149, 0.1665,
0.2785

■ 84.6861, 0.2952,
0.3227

■ 84.6861, 0.2952,
0.3227

■ 78.0316, 0.2800,
0.3166

■ 92.0083, 0.3107,
0.3283

■ 72.0085, 0.2655,
0.3099

■ 97.3711, 0.3175,
0.3334

■ 66.5927, 0.2518,
0.3028

■ 99.4967, 0.3173,
0.3366

■ 61.7545, 0.2395,
0.2953

■ 57.4609, 0.2287,
0.2875

■ 53.6755, 0.2197,
0.2795

■ 50.3564, 0.2127,
0.2715

■ 47.4535, 0.2077,
0.2636

■ 45.2046, 0.2047,
0.2567

Harmonies

Analogous

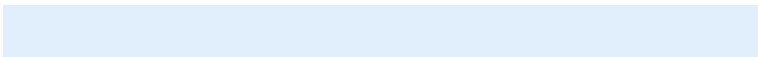
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6861, 0.2991, 0.3310



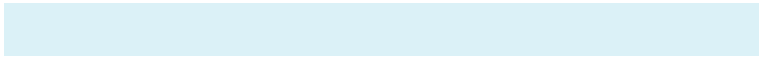
84.6861, 0.2952, 0.3227



84.6861, 0.2959, 0.3163

Triad

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



84.6861, 0.2952, 0.3227



84.6861, 0.3186, 0.3195



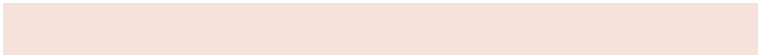
84.6861, 0.3244, 0.3449

Complementary

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



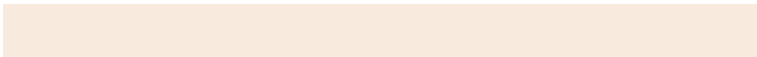
84.6861, 0.2952, 0.3227



78.7856, 0.3323, 0.3352

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.



84.6861, 0.3298, 0.3415



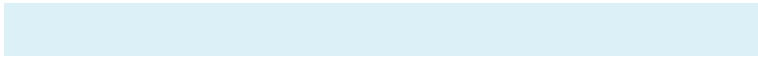
84.6861, 0.2952, 0.3227



84.6861, 0.3264, 0.3269

Square

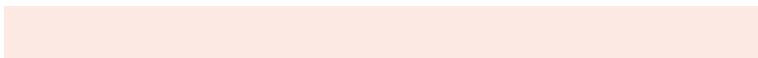
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6861, 0.2952, 0.3227



84.6861, 0.3093, 0.3146



84.6861, 0.3306, 0.3349



84.6861, 0.3160, 0.3440

Rectangle

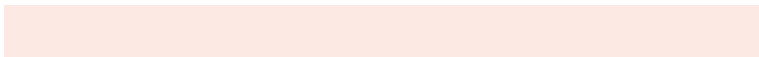
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



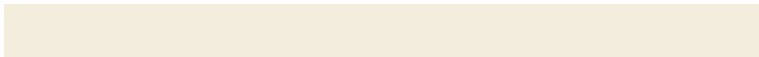
84.6861, 0.2952, 0.3227



84.6861, 0.2988, 0.3139



84.6861, 0.3306, 0.3349



84.6861, 0.3267, 0.3443

Sweetspot

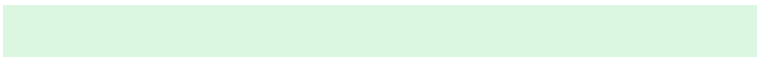
The Sweet Spot groups the original color and five complimentary colors.



84.6896, 0.2952, 0.3227



97.5304, 0.3081, 0.3274



87.0182, 0.3081, 0.3526



20.7367, 0.3068, 0.3270



0.0000, 0.0000, 0.0000



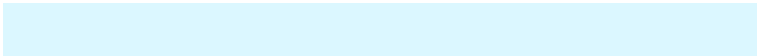
21.4041, 0.3127, 0.3290

Same Dimension

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



84.6896, 0.2952, 0.3227



89.0356, 0.2911, 0.3211



76.9619, 0.2950, 0.3084



18.1161, 0.2980, 0.3238



24.1193, 0.2050, 0.2581



2.2669, 0.2078, 0.2680

Inverse Universe

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



76.8151, 0.3180, 0.3070



78.8140, 0.3194, 0.3016



86.4105, 0.3307, 0.3488



16.7036, 0.3171, 0.3106



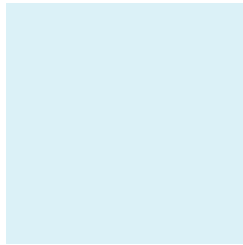
12.5342, 0.3843, 0.1891



1.1165, 0.3748, 0.1838

Previews

White Background



This preview shows how the Yxy color 84.6861, 0.2952, 0.3227 looks on a white background.

Color Contrast Check

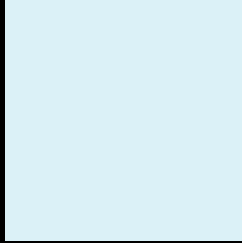
Large Text (above 18pt) WCAG AA × Fail

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 84.6861, 0.2952, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

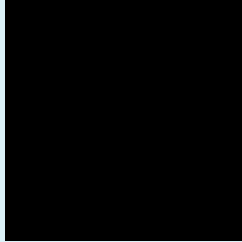
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

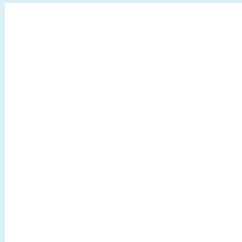
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6861, 0.2952, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 84.6861, 0.2952, 0.3227.

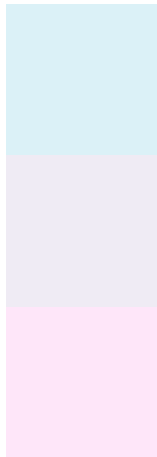


This preview shows how white text looks on a background with the Yxy color 84.6861, 0.2952, 0.3227.

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

84.6861, 0.2952, 0.3227

Protanopia

84.2990, 0.3098, 0.3199

Deuteranopia

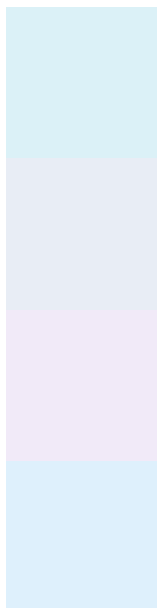
84.5040, 0.3170, 0.3105



Tritanopia

84.8003, 0.2937, 0.3126

Trichromacy



Original Color

84.6861, 0.2952, 0.3227

Protanomaly

84.3168, 0.3046, 0.3208

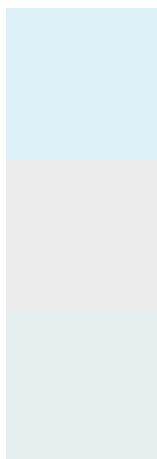
Deuteranomaly

84.3237, 0.3087, 0.3150

Tritanomaly

84.8780, 0.2942, 0.3166

Monochromacy



Original Color

84.6861, 0.2952, 0.3227

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.4584, 0.3062, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6861, 0.2952, 0.3227 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(219, 241, 247)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 241, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 241, 247) }
```

Border

The CSS property to change the border of an element to Yxy 84.6861, 0.2952, 0.3227 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(219, 241, 247) }
```

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

```
.border{ border-color:rgb(219, 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(219, 241, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 241, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 241, 247);  
box-shadow:4px 4px 4px 4px rgb(219, 241,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6861, 0.2952, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 241, 247) }
```

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

```
.background{ background-color: rgb(219,  
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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