

Converting Colors

$Yxy(85.7460, 0.3003, 0.3290)$

Have a look what the booklet for
Yxy(85.7460, 0.3003, 0.3290)
contains.

Yxy(85.6030, 0.3006, 0.3290)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(85.6030, 0.3006, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	DFF2F2
RGB	223, 242, 242
RGB Percent	87%, 95%, 95%
CMY	0.1254, 0.0510, 0.0511
CMYK	0.08, 0.00, 0.00, 0.05
HSL	180°, 42%, 91%
HSV	180°, 8%, 95%
XYZ	78.2136, 85.6030, 96.3749
YIQ	236.3190, -11.3240, -4.0280

Conversions

Conversions Part 2

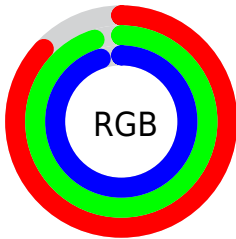
Format	Color
R_{YB}	223, 233, 242
Decimal	14676722
CIE _{Lab}	94.14, -6.21, -2.13
CIE _{LCh}	94, 6.561, 198.920
Yxy	85.6030, 0.3006, 0.3290
Android (android.graphics.Color)	4292866802 (0xFFDFF2F2)
YUV	236.3190, 2.8007, -11.6808
Hunter-Lab	92.5219, -11.0180, 3.0062

Details

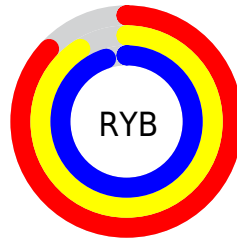
The Yxy color **85.6030, 0.3006, 0.3290** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.0031, 0.3262, 0.3290**, and the grayscale version is **84.1271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9878, 0.2980, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **82.0298, 0.2859, 0.3290**, and if you desaturate by 10%, it is **89.7328, 0.3161, 0.3290**.

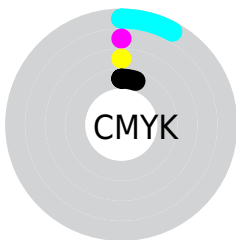
Distribution



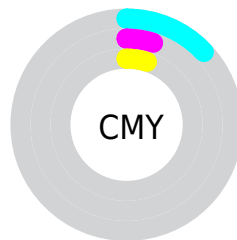
- Red (87%)
- Green (95%)
- Blue (95%)



- Red (87%)
- Yellow (91%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)





- Cyan (13%)
- Magenta (5%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6030, 0.3006, 0.3290 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 85.6030, 0.3006, 0.3290 by changing the saturation by 10% instead.


 85.6030, 0.3006,
0.3290

 85.6030, 0.3006,
0.3290


513.6212, 0.3060,
0.3290

 64.3397, 0.2994,
0.3290


141.2154, 0.3025,
0.3290

 46.9259, 0.2979,
0.3290


176.3332, 0.3032,
0.3290

 32.9771, 0.2961,
0.3289


216.8381, 0.3038,
0.3290

 22.1089, 0.2937,
0.3289

263.1144, 0.3044,
0.3290

 13.9369, 0.2906,
0.3288

315.5464, 0.3049,
0.3290

 8.0768, 0.2863,
0.3287

374.5187, 0.3053,

 4.1441, 0.2798,

0.3290

440.4155, 0.3057,
0.3290

0.3285

■ 1.7545, 0.2692,
0.3280

■ 0.4586, 0.2044,
0.3297

■ 85.6030, 0.3006,
0.3290

■ 85.6030, 0.3006,
0.3290

■ 82.0298, 0.2859,
0.3290

■ 89.7328, 0.3161,
0.3290

■ 78.9792, 0.2723,
0.3290

■ 91.1787, 0.3212,
0.3290

■ 76.4299, 0.2601,
0.3291

■ 91.1815, 0.3212,
0.3289

■ 74.3552, 0.2495,
0.3291

■ 91.1844, 0.3212,
0.3289


 72.7257, 0.2409,
0.3291


 91.1872, 0.3211,
0.3288

 71.5088, 0.2341,
0.3292


 91.1900, 0.3211,
0.3288


 70.6674, 0.2293,
0.3292

 91.1929, 0.3211,
0.3287

 70.1580, 0.2264,
0.3293

 91.1957, 0.3210,
0.3287

 69.9213, 0.2250,
0.3293

 91.1986, 0.3210,
0.3287

Harmonies

Analogous

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



85.6030, 0.3062, 0.3356



85.6030, 0.3006, 0.3290



85.6030, 0.2982, 0.3225

Triad

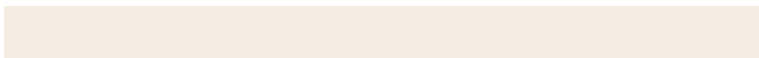
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6030, 0.3006, 0.3290



85.6030, 0.3117, 0.3179



85.6030, 0.3259, 0.3402

Complementary

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



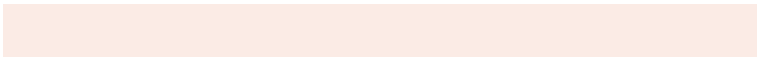
85.6030, 0.3006, 0.3290



77.0031, 0.3262, 0.3290

Split Complementary

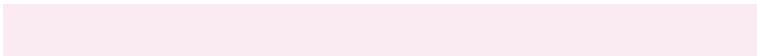
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6030, 0.3274, 0.3353



85.6030, 0.3006, 0.3290



85.6030, 0.3192, 0.3225

Square

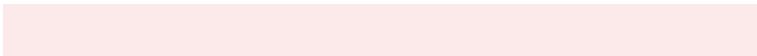
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6030, 0.3006, 0.3290



85.6030, 0.3046, 0.3162



85.6030, 0.3250, 0.3289



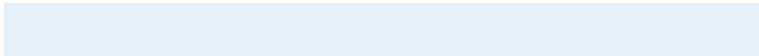
85.6030, 0.3208, 0.3421

Rectangle

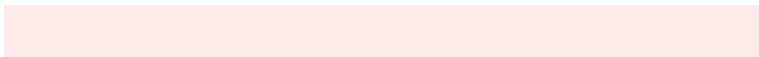
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



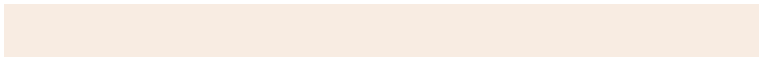
85.6030, 0.3006, 0.3290



85.6030, 0.2988, 0.3191



85.6030, 0.3250, 0.3289



85.6030, 0.3268, 0.3388

Sweetspot

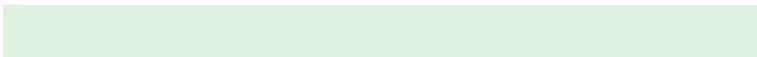
The Sweet Spot groups the original color and five complimentary colors.



85.6066, 0.3006, 0.3290



99.0449, 0.3096, 0.3290



84.5779, 0.3120, 0.3490



21.2097, 0.3097, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

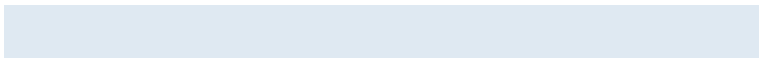
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.6066, 0.3006, 0.3290



95.9013, 0.2988, 0.3290



80.2882, 0.3006, 0.3194



17.9284, 0.2981, 0.3290



37.5440, 0.2248, 0.3293



3.1235, 0.2248, 0.3292

Inverse Universe

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



77.0031, 0.3262, 0.3290



84.8330, 0.3284, 0.3290



82.0338, 0.3253, 0.3384



15.7594, 0.3293, 0.3290



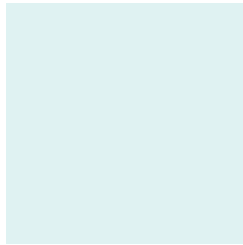
10.1418, 0.6399, 0.3299



0.8439, 0.6393, 0.3295

Previews

White Background



This preview shows how the Yxy color 85.6030, 0.3006, 0.3290 looks on a white background.

Color Contrast Check

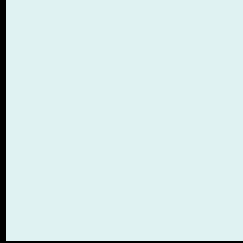
Large Text (above 18pt) WCAG AA × Fail

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 85.6030, 0.3006, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

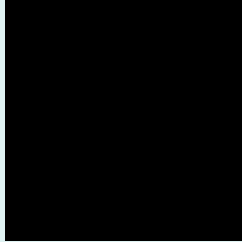
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

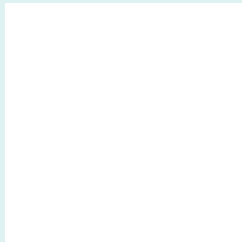
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6030, 0.3006, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 85.6030, 0.3006, 0.3290.

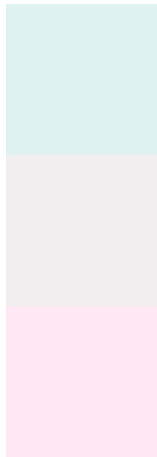


This preview shows how white text looks on a background with the Yxy color 85.6030, 0.3006, 0.3290.

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

85.6030, 0.3006, 0.3290

Protanopia

85.6776, 0.3148, 0.3270

Deuteranopia

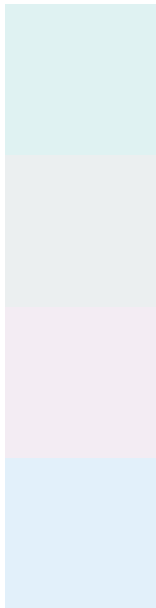
85.4443, 0.3214, 0.3183



Tritanopia

85.4470, 0.2962, 0.3128

Trichromacy



Original Color

85.6030, 0.3006, 0.3290

Protanomaly

85.6864, 0.3095, 0.3280

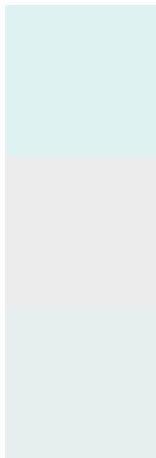
Deuteranomaly

85.5167, 0.3130, 0.3220

Tritanomaly

85.3911, 0.2978, 0.3188

Monochromacy



Original Color

85.6030, 0.3006, 0.3290

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.3110, 0.3081, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6030, 0.3006, 0.3290 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(223, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(223, 242, 242)  
}
```

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(223, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 242, 242) }
```

Border

The CSS property to change the border of an element to Yxy 85.6030, 0.3006, 0.3290 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(223, 242, 242) }
```

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

```
.border{ border-color:rgb(223, 242, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(223, 242,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6030, 0.3006, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 242, 242) }
```

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

```
.background{ background-color: rgb(223,  
242, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor