

Converting Colors

$Yxy(83.9940, 0.2915, 0.3121)$

Have a look what the booklet for
Yxy(83.9940, 0.2915, 0.3121)
contains.

Yxy(84.1686, 0.2912, 0.3125)	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(84.1686, 0.2912, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	DCEFFF
RGB	220, 239, 255
RGB Percent	86%, 94%, 100%
CMY	0.1373, 0.0627, 0.0000
CMYK	0.14, 0.06, 0.00, 0.00
HSL	207°, 100%, 93%
HSV	207°, 14%, 100%
XYZ	78.4317, 84.1686, 106.7393
YIQ	235.1430, -16.4600, 0.9480

Conversions

Conversions Part 2

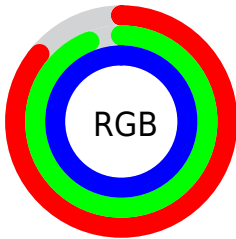
Format	Color
R _Y B	220, 232, 255
Decimal	14479359
CIE Lab	93.52, -3.10, -9.84
CIE LCh	94, 10.323, 252.496
Yxy	84.1686, 0.2912, 0.3125
Android (android.graphics.Color)	4292669439 (0xFFDCEFFF)
YUV	235.1430, 9.7895, -13.2804
Hunter-Lab	91.7434, -7.9510, -4.7608

Details

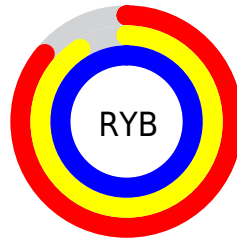
The Yxy color **84.1686, 0.2912, 0.3125** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4080, 0.3359, 0.3449**, and the grayscale version is **83.1253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9435, 0.2869, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **73.8878, 0.2751, 0.2989**, and if you desaturate by 10%, it is **95.4998, 0.3070, 0.3248**.

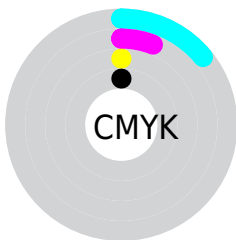
Distribution



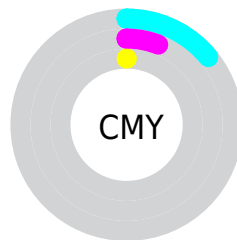
- Red (86%)
- Green (94%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1686, 0.2912, 0.3125 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 84.1686, 0.2912, 0.3125 by changing the saturation by 10% instead.

84.1686, 0.2912,
0.3125

84.1686, 0.2912,
0.3125

508.8729, 0.3008,
0.3200

63.1546, 0.2891,
0.3108

139.2110, 0.2945,
0.3151

45.9663, 0.2865,
0.3088

174.0082, 0.2958,
0.3161

32.2192, 0.2832,
0.3062

214.1687, 0.2969,
0.3169

21.5290, 0.2791,
0.3029

260.0767, 0.2979,
0.3177

13.5112, 0.2736,
0.2985

312.1168, 0.2988,
0.3184

7.7815, 0.2660,
0.2924

370.6733, 0.2995,

3.9555, 0.2547,

0.3190

0.2832

436.1305, 0.3002,
0.3195

■ 1.6487, 0.2364,
0.2679

■ 0.3901, 0.1633,
0.2160

■ 84.1686, 0.2912,
0.3125

■ 84.1686, 0.2912,
0.3125

■ 73.8878, 0.2751,
0.2989

■ 95.4998, 0.3070,
0.3248

■ 64.6160, 0.2589,
0.2840

100.0000, 0.3127,
0.3290

■ 56.3170, 0.2430,
0.2680

■ 48.9501, 0.2279,
0.2509

■ 42.4709, 0.2140,
0.2331

■ 36.8302, 0.2018,
0.2150

■ 31.9721, 0.1918,
0.1971

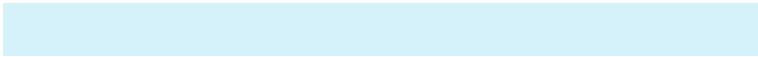
■ 27.8302, 0.1842,
0.1798

■ 25.5432, 0.1804,
0.1693

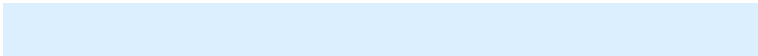
Harmonies

Analogous

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



84.1686, 0.2902, 0.3206



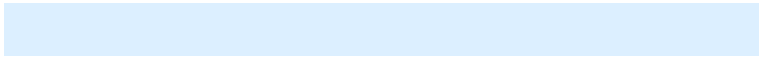
84.1686, 0.2912, 0.3125



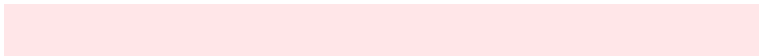
84.1686, 0.2978, 0.3090

Triad

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



84.1686, 0.2912, 0.3125



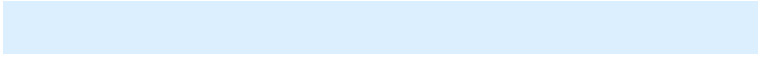
84.1686, 0.3306, 0.3264



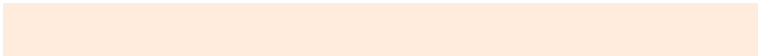
84.1686, 0.3166, 0.3483

Complementary

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



84.1686, 0.2912, 0.3125



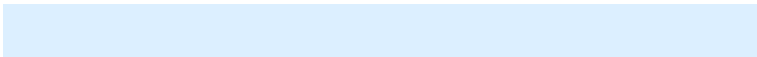
86.4080, 0.3359, 0.3449

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.



84.1686, 0.3276, 0.3496



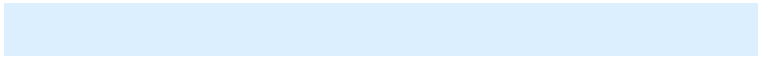
84.1686, 0.2912, 0.3125



84.1686, 0.3358, 0.3367

Square

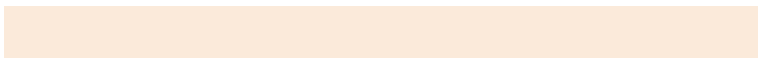
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1686, 0.2912, 0.3125



84.1686, 0.3205, 0.3170



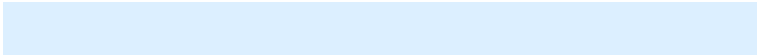
84.1686, 0.3346, 0.3452



84.1686, 0.3047, 0.3415

Rectangle

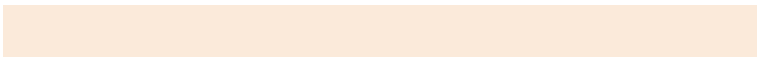
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1686, 0.2912, 0.3125



84.1686, 0.3047, 0.3095



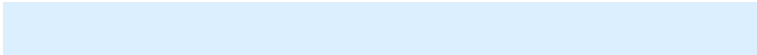
84.1686, 0.3346, 0.3452



84.1686, 0.3205, 0.3494

Sweetspot

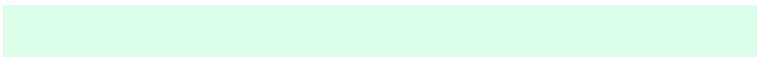
The Sweet Spot groups the original color and five complimentary colors.



84.1705, 0.2912, 0.3125



95.1794, 0.3066, 0.3245



92.7752, 0.3022, 0.3488



20.1824, 0.3054, 0.3236



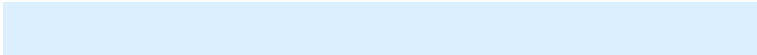
0.0000, 0.0000, 0.0000



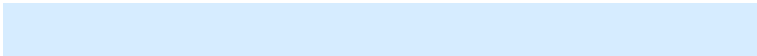
21.4041, 0.3127, 0.3290

Same Dimension

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



84.1705, 0.2912, 0.3125



81.7455, 0.2876, 0.3096



74.5384, 0.2907, 0.2943



19.0128, 0.2979, 0.3179



13.6494, 0.1811, 0.1721



1.5476, 0.1865, 0.1913

Inverse Universe

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



78.6731, 0.3250, 0.3102



75.5316, 0.3273, 0.3070



96.8349, 0.3336, 0.3615



18.1521, 0.3209, 0.3162



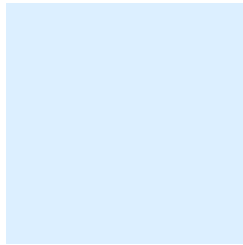
12.1059, 0.4781, 0.2408



1.2008, 0.4552, 0.2281

Previews

White Background



This preview shows how the Yxy color 84.1686, 0.2912, 0.3125 looks on a white background.

Color Contrast Check

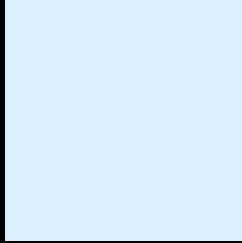
Large Text (above 18pt) WCAG AA × Fail

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 84.1686, 0.2912, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

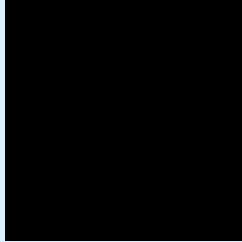
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

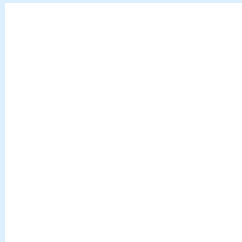
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1686, 0.2912, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 84.1686, 0.2912, 0.3125.



This preview shows how white text looks on a background with the Yxy color 84.1686, 0.2912, 0.3125.

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

84.1686, 0.2912, 0.3125

Protanopia

84.2778, 0.3030, 0.3119

Deuteranopia

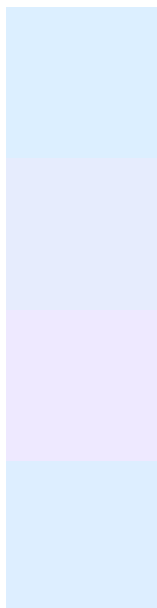
83.7701, 0.3092, 0.3045



Tritanopia

83.8987, 0.2924, 0.3115

Trichromacy



Original Color

84.1686, 0.2912, 0.3125

Protanomaly

83.9057, 0.2986, 0.3117

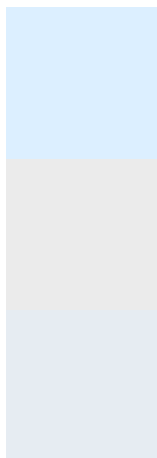
Deuteranomaly

83.6750, 0.3025, 0.3070

Tritanomaly

83.7412, 0.2918, 0.3115

Monochromacy



Original Color

84.1686, 0.2912, 0.3125

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.2247, 0.3051, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1686, 0.2912, 0.3125 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(220, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 239, 255)  
}
```

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(220, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.1686, 0.2912, 0.3125 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(220, 239, 255) }
```

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

```
.border{ border-color:rgb(220, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1686, 0.2912, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 239, 255) }
```

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

```
.background{ background-color: rgb(220,  
239, 255) }
```

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