

Converting Colors

$Y_{xy}(84.3231, 0.2939, 0.3117)$

Have a look what the booklet for
Yxy(84.3231, 0.2939, 0.3117)
contains.

Yxy(84.2164, 0.2937, 0.3116)	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(84.2164, 0.2937, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	E0EEFF
RGB	224, 238, 255
RGB Percent	88%, 93%, 100%
CMY	0.1213, 0.0667, 0.0000
CMYK	0.12, 0.07, 0.00, 0.00
HSL	213°, 100%, 94%
HSV	213°, 12%, 100%
XYZ	79.3786, 84.2164, 106.6759
YIQ	235.7520, -13.8010, 2.3190

Conversions

Conversions Part 2

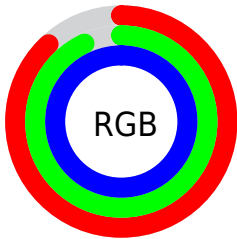
Format	Color
R_{YB}	224, 234, 255
Decimal	14741247
CIE _{Lab}	93.54, -1.31, -9.77
CIE _{LCh}	94, 9.858, 262.338
Yxy	84.2164, 0.2937, 0.3116
Android (android.graphics.Color)	4292931327 (0xFFE0EEFF)
YUV	235.7520, 9.4893, -10.3065
Hunter-Lab	91.7695, -6.1981, -4.6820

Details

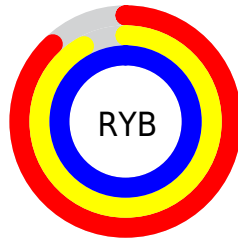
The Yxy color **84.2164, 0.2937, 0.3116** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.5979, 0.3326, 0.3458**, and the grayscale version is **83.6243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9681, 0.2900, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **72.5967, 0.2772, 0.2954**, and if you desaturate by 10%, it is **97.0900, 0.3095, 0.3261**.

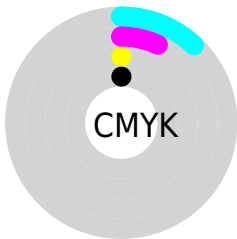
Distribution



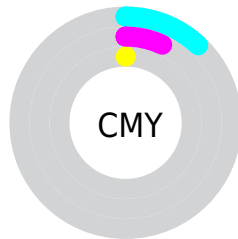
- Red (88%)
- Green (93%)
- Blue (100%)



- Red (88%)
- Yellow (92%)
- Blue (100%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2164, 0.2937, 0.3116 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 84.2164, 0.2937, 0.3116 by changing the saturation by 10% instead.

84.2164, 0.2937,
0.3116

84.2164, 0.2937,
0.3116

509.0316, 0.3022,
0.3195

63.1941, 0.2918,
0.3099

139.2778, 0.2966,
0.3143

45.9983, 0.2895,
0.3077

174.0858, 0.2978,
0.3153

32.2445, 0.2866,
0.3051

214.2578, 0.2988,
0.3163

21.5483, 0.2829,
0.3016

260.1781, 0.2996,
0.3171

13.5254, 0.2780,
0.2971

312.2313, 0.3004,
0.3178

7.7913, 0.2712,
0.2907

370.8017, 0.3011,

3.9617, 0.2612,

0.3184

0.2812

436.2736, 0.3017,
0.3189

■ 1.6522, 0.2447,
0.2656

■ 0.3924, 0.1842,
0.2120

■ 84.2164, 0.2937,
0.3116

■ 84.2164, 0.2937,
0.3116

■ 72.5967, 0.2772,
0.2954

■ 97.0900, 0.3095,
0.3261

■ 62.1789, 0.2604,
0.2775

99.9998, 0.3127,
0.3290

■ 52.9223, 0.2434,
0.2581

■ 44.7799, 0.2269,
0.2375

■ 37.7008, 0.2115,
0.2160

■ 31.6289, 0.1977,
0.1942

■ 26.5017, 0.1861,
0.1730

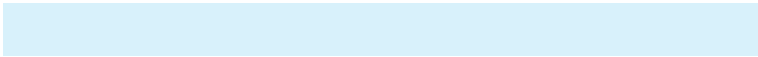
■ 22.2462, 0.1771,
0.1528

■ 19.4340, 0.1717,
0.1381

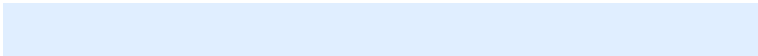
Harmonies

Analogous

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



84.2164, 0.2909, 0.3181



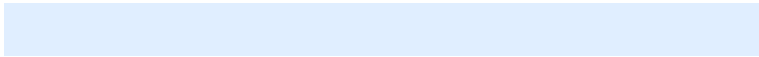
84.2164, 0.2937, 0.3116



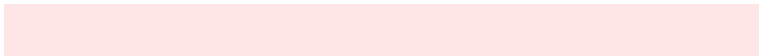
84.2164, 0.3016, 0.3098

Triad

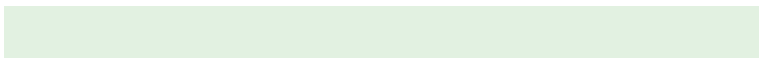
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2164, 0.2937, 0.3116



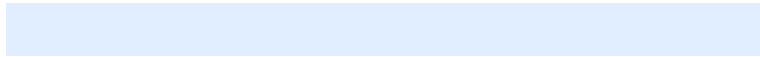
84.2164, 0.3320, 0.3298



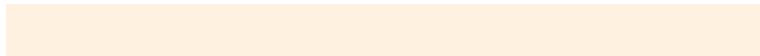
84.2164, 0.3126, 0.3458

Complementary

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



84.2164, 0.2937, 0.3116



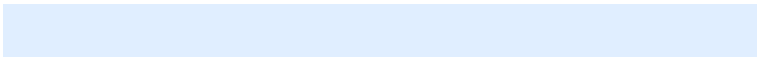
89.5979, 0.3326, 0.3458

Split Complementary

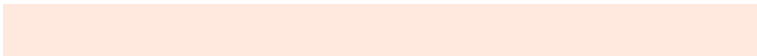
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2164, 0.3237, 0.3488



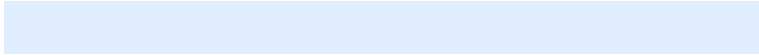
84.2164, 0.2937, 0.3116



84.2164, 0.3351, 0.3394

Square

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



84.2164, 0.2937, 0.3116



84.2164, 0.3237, 0.3203



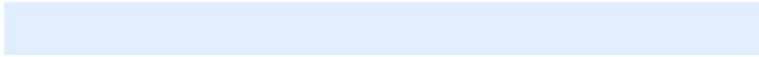
84.2164, 0.3320, 0.3464



84.2164, 0.3017, 0.3380

Rectangle

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



84.2164, 0.2937, 0.3116



84.2164, 0.3087, 0.3114



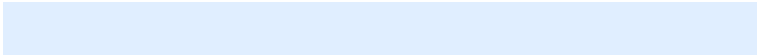
84.2164, 0.3320, 0.3464



84.2164, 0.3165, 0.3474

Sweetspot

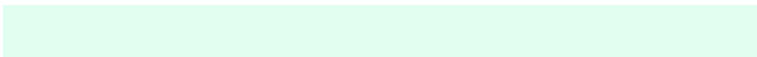
The Sweet Spot groups the original color and five complimentary colors.



84.2199, 0.2937, 0.3116



94.5903, 0.3066, 0.3235



93.7005, 0.3020, 0.3437



20.0334, 0.3054, 0.3225



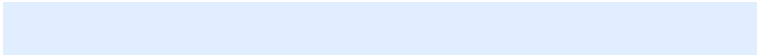
0.0000, 0.0000, 0.0000



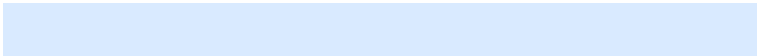
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2199, 0.2937, 0.3116



80.7614, 0.2890, 0.3071



76.5880, 0.2941, 0.2971



18.7243, 0.2979, 0.3156



10.4434, 0.1726, 0.1412



1.2313, 0.1786, 0.1628

Inverse Universe

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



80.7773, 0.3253, 0.3153



76.6957, 0.3287, 0.3119



97.9681, 0.3302, 0.3591



18.1230, 0.3223, 0.3183



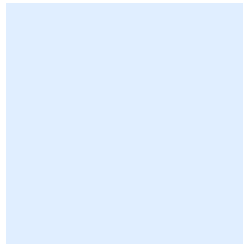
11.7822, 0.5176, 0.2625



1.1688, 0.4895, 0.2470

Previews

White Background



This preview shows how the Yxy color 84.2164, 0.2937, 0.3116 looks on a white background.

Color Contrast Check

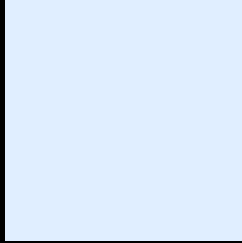
Large Text (above 18pt) WCAG AA × Fail

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 84.2164, 0.2937, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

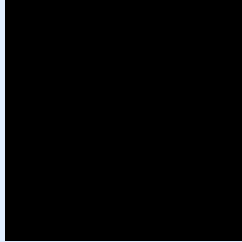
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

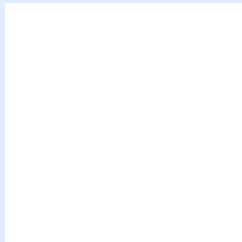
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2164, 0.2937, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 84.2164, 0.2937, 0.3116.



This preview shows how white text looks on a background with the Yxy color 84.2164, 0.2937, 0.3116.

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

84.2164, 0.2937, 0.3116

Protanopia

84.3414, 0.3024, 0.3109

Deuteranopia

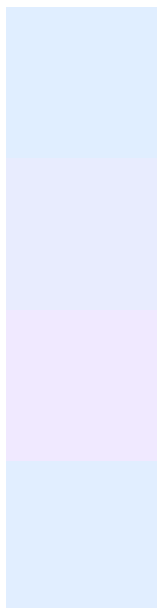
83.9534, 0.3098, 0.3045



Tritanopia

84.3766, 0.2943, 0.3116

Trichromacy



Original Color

84.2164, 0.2937, 0.3116

Protanomaly

84.3025, 0.2992, 0.3108

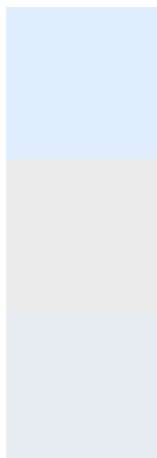
Deuteranomaly

84.0231, 0.3038, 0.3071

Tritanomaly

84.3766, 0.2943, 0.3116

Monochromacy



Original Color

84.2164, 0.2937, 0.3116

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.1952, 0.3058, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2164, 0.2937, 0.3116 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(224, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 238, 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(224, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.2164, 0.2937, 0.3116 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(224, 238, 255) }
```

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

```
.border{ border-color:rgb(224, 238, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2164, 0.2937, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 238, 255) }
```

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

```
.background{ background-color: rgb(224,  
238, 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