

Converting Colors

$Y_{xy}(84.2578, 0.2941, 0.3159)$

Have a look what the booklet for
Yxy(84.2578, 0.2941, 0.3159)
contains.

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Color

Yxy(84.2909, 0.2942, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	DEEFC
RGB	222, 239, 252
RGB Percent	87%, 94%, 99%
CMY	0.1291, 0.0628, 0.0118
CMYK	0.12, 0.05, 0.00, 0.01
HSL	206°, 83%, 93%
HSV	206°, 12%, 99%
XYZ	78.5754, 84.2909, 104.2152
YIQ	235.3990, -14.3050, 0.4390

Conversions

Conversions Part 2

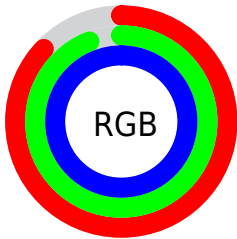
Format	Color
R _Y B	222, 233, 252
Decimal	14610428
CIE Lab	93.58, -3.05, -8.17
CIE LCh	94, 8.724, 249.557
Yxy	84.2909, 0.2942, 0.3156
Android (android.graphics.Color)	4292800508 (0xFFDEEFC)
YUV	235.3990, 8.1843, -11.7509
Hunter-Lab	91.8101, -7.8990, -3.0340

Details

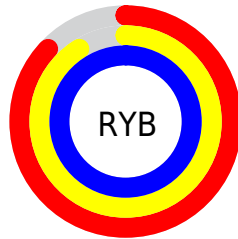
The Yxy color **84.2909, 0.2942, 0.3156** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4295, 0.3326, 0.3420**, and the grayscale version is **83.3518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0226, 0.2906, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **74.3881, 0.2782, 0.3029**, and if you desaturate by 10%, it is **95.1840, 0.3098, 0.3270**.

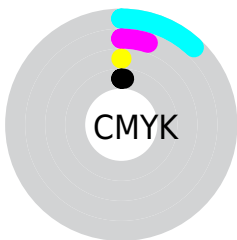
Distribution



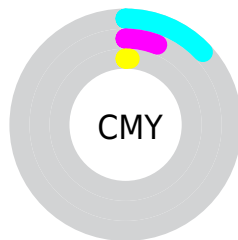
- Red (87%)
- Green (94%)
- Blue (99%)



- Red (87%)
- Yellow (91%)
- Blue (99%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (6%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2909, 0.2942, 0.3156 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 84.2909, 0.2942, 0.3156 by changing the saturation by 10% instead.

84.2909, 0.2942,
0.3156

84.2909, 0.2942,
0.3156

509.2787, 0.3025,
0.3217

63.2556, 0.2924,
0.3142

139.3820, 0.2970,
0.3177

46.0480, 0.2901,
0.3126

174.2067, 0.2981,
0.3185

32.2837, 0.2873,
0.3105

214.3966, 0.2991,
0.3192

21.5783, 0.2837,
0.3078

260.3361, 0.3000,
0.3198

13.5474, 0.2790,
0.3042

312.4097, 0.3007,
0.3204

7.8065, 0.2724,
0.2992

371.0018, 0.3014,

3.9714, 0.2626,

0.3209

0.2916

436.4966, 0.3020,
0.3213

■ 1.6576, 0.2466,
0.2790

■ 0.3960, 0.1775,
0.2328

■ 84.2909, 0.2942,
0.3156

■ 84.2909, 0.2942,
0.3156

■ 74.3881, 0.2782,
0.3029

■ 95.1840, 0.3098,
0.3270

■ 65.4319, 0.2622,
0.2891

■ 99.8077, 0.3144,
0.3319

■ 57.3905, 0.2464,
0.2740

■ 50.2260, 0.2314,
0.2580

■ 43.8974, 0.2176,
0.2412

■ 38.3591, 0.2054,
0.2241

■ 33.5596, 0.1953,
0.2070

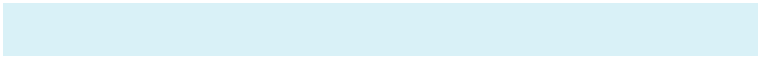
■ 29.4384, 0.1875,
0.1903

■ 26.5185, 0.1826,
0.1773

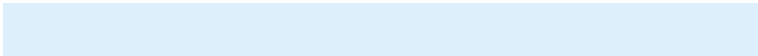
Harmonies

Analogous

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



84.2909, 0.2939, 0.3228



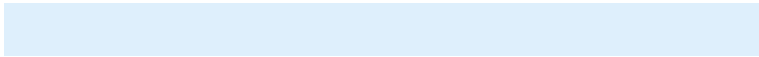
84.2909, 0.2942, 0.3156



84.2909, 0.2994, 0.3121

Triad

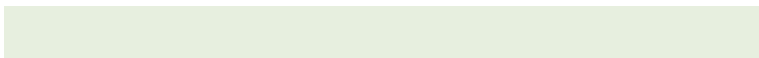
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2909, 0.2942, 0.3156



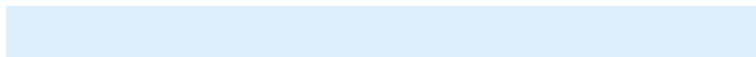
84.2909, 0.3271, 0.3260



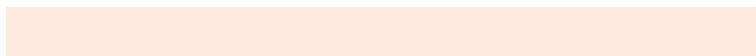
84.2909, 0.3170, 0.3455

Complementary

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



84.2909, 0.2942, 0.3156



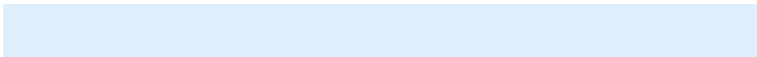
85.4295, 0.3326, 0.3420

Split Complementary

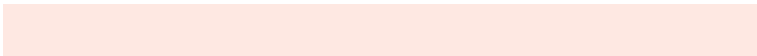
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2909, 0.3260, 0.3462



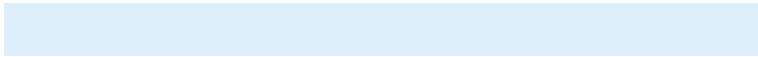
84.2909, 0.2942, 0.3156



84.2909, 0.3320, 0.3348

Square

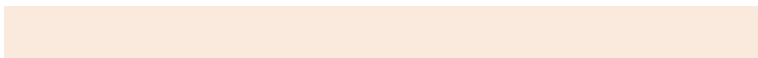
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2909, 0.2942, 0.3156



84.2909, 0.3184, 0.3182



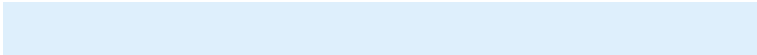
84.2909, 0.3316, 0.3422



84.2909, 0.3069, 0.3403

Rectangle

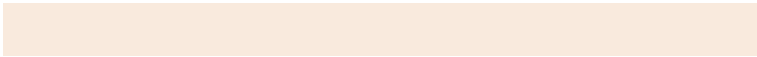
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2909, 0.2942, 0.3156



84.2909, 0.3050, 0.3123



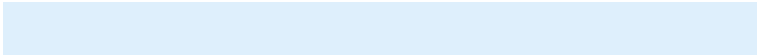
84.2909, 0.3316, 0.3422



84.2909, 0.3202, 0.3463

Sweetspot

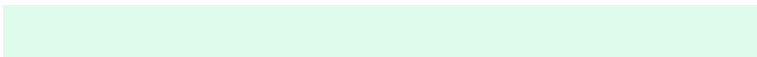
The Sweet Spot groups the original color and five complimentary colors.



84.2944, 0.2942, 0.3156



95.3209, 0.3066, 0.3247



91.1560, 0.3039, 0.3464



20.2182, 0.3054, 0.3238



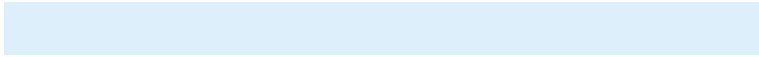
0.0000, 0.0000, 0.0000



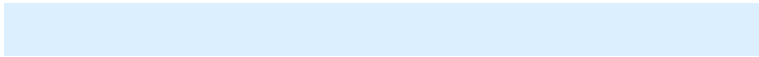
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2944, 0.2942, 0.3156



84.3447, 0.2908, 0.3130



75.9141, 0.2939, 0.2999



18.2719, 0.2980, 0.3184



14.1137, 0.1833, 0.1799



1.5180, 0.1887, 0.1993

Inverse Universe

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



79.2045, 0.3227, 0.3122



78.3405, 0.3247, 0.3091



94.3404, 0.3307, 0.3565



17.3897, 0.3205, 0.3157



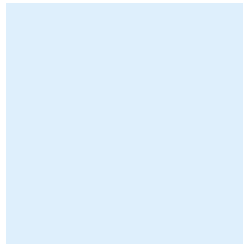
11.8357, 0.4686, 0.2355



1.1175, 0.4460, 0.2231

Previews

White Background



This preview shows how the Yxy color 84.2909, 0.2942, 0.3156 looks on a white background.

Color Contrast Check

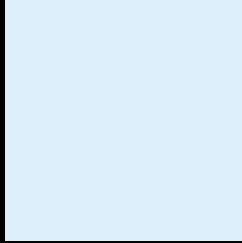
Large Text (above 18pt) WCAG AA × Fail

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 84.2909, 0.2942, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

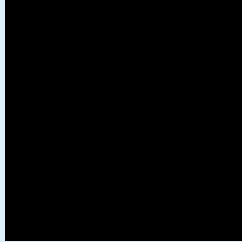
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

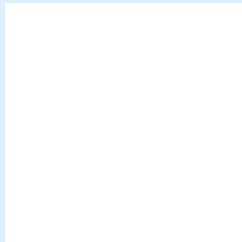
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2909, 0.2942, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 84.2909, 0.2942, 0.3156.



This preview shows how white text looks on a background with the Yxy color 84.2909, 0.2942, 0.3156.

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

84.2909, 0.2942, 0.3156

Protanopia

84.2607, 0.3055, 0.3149

Deuteranopia

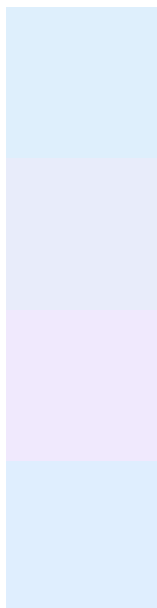
84.2586, 0.3118, 0.3056



Tritanopia

84.2164, 0.2937, 0.3116

Trichromacy



Original Color

84.2909, 0.2942, 0.3156

Protanomaly

84.0488, 0.3016, 0.3148

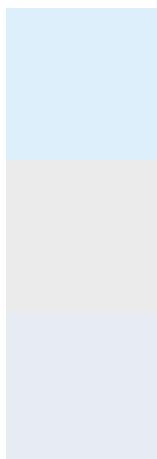
Deuteranomaly

83.8949, 0.3050, 0.3091

Tritanomaly

83.9928, 0.2936, 0.3126

Monochromacy



Original Color

84.2909, 0.2942, 0.3156

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1648, 0.3057, 0.3238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2909, 0.2942, 0.3156 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, 239, 252)` looks like.

```
.text, #text, p{  
    color:rgb(222, 239, 252)  
}
```

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, 239, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 239, 252) }
```

Border

The CSS property to change the border of an element to Yxy 84.2909, 0.2942, 0.3156 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, 239, 252) }
```

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

```
.border{ border-color:rgb(222, 239, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 239, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 239, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 239, 252);  
box-shadow:4px 4px 4px 4px rgb(222, 239,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2909, 0.2942, 0.3156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 239, 252) }
```

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

```
.background{ background-color: rgb(222,  
239, 252) }
```

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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