

Converting Colors

Yxy(86.0776, 0.2924, 0.3154)

Have a look what the booklet for
Yxy(86.0776, 0.2924, 0.3154)
contains.

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Color

Yxy(86.2539, 0.2925, 0.3157)

Conversions

Conversions Part 1	
Format	Color
Hex	DEF2FF
RGB	222, 242, 255
RGB Percent	87%, 95%, 100%
CMY	0.1296, 0.0509, 0.0000
CMYK	0.13, 0.05, 0.00, 0.00
HSL	204°, 100%, 94%
HSV	204°, 13%, 100%
XYZ	79.9153, 86.2539, 107.0455
YIQ	237.5020, -16.0930, -0.1970

Conversions

Conversions Part 2

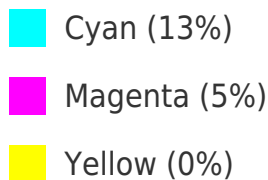
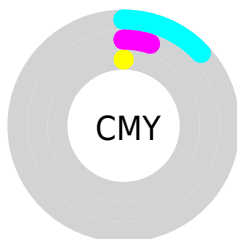
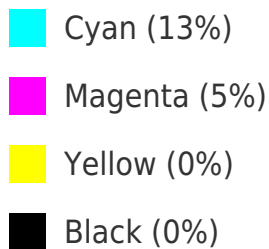
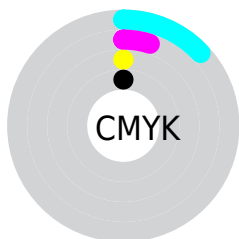
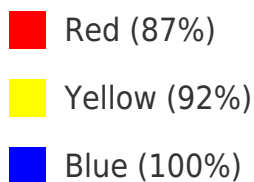
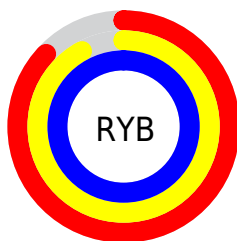
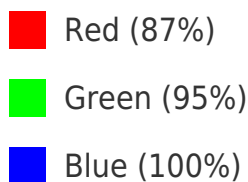
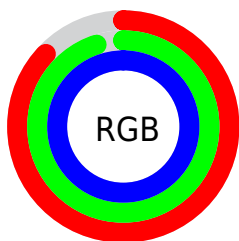
Format	Color
RYB	222, 234, 255
Decimal	14611199
CIELab	94.42, -4.03, -8.49
CIELCh	94, 9.397, 244.585
Yxy	86.2539, 0.2925, 0.3157
Android (android.graphics.Color)	4292801279 (0xFFDEF2FF)
YUV	237.5020, 8.6265, -13.5953
Hunter-Lab	92.8730, -8.9321, -3.3267

Details

The Yxy color 86.2539, 0.2925, 0.3157 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 85.9107, 0.3348, 0.3419, and the grayscale version is 85.0332, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 47.4105, 0.2886, 0.3132 is the 20% darker color. If you saturate the color by 10%, you get 76.7305, 0.2767, 0.3042, and if you desaturate by 10%, it is 96.7196, 0.3082, 0.3261.


Distribution




Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2539, 0.2925, 0.3157 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 86.2539, 0.2925, 0.3157 by changing the saturation by 10% instead.


 86.2539, 0.2925,
0.3157

 86.2539, 0.2925,
0.3157


515.7680, 0.3015,
0.3217

 64.8779, 0.2905,
0.3144


142.1237, 0.2956,
0.3178

 47.3621, 0.2881,
0.3127


177.3864, 0.2968,
0.3186

 33.3220, 0.2851,
0.3107


218.0468, 0.2978,
0.3193

 22.3732, 0.2812,
0.3080

264.4893, 0.2988,
0.3199

 14.1314, 0.2762,
0.3045

317.0983, 0.2996,
0.3204

 8.2121, 0.2691,
0.2995

376.2581, 0.3003,

 4.2310, 0.2588,

0.3209

0.2921

442.3532, 0.3009,
0.3213

1.8036, 0.2422,
0.2799

0.4894, 0.1841,
0.2457

86.2539, 0.2925,
0.3157

86.2539, 0.2925,
0.3157

76.7305, 0.2767,
0.3042

96.7196, 0.3082,
0.3261

68.1067, 0.2609,
0.2916

100.0000, 0.3127,
0.3290

60.3514, 0.2457,
0.2779

53.4273, 0.2313,
0.2635

■ 47.2935, 0.2182,
0.2484

■ 41.9049, 0.2069,
0.2330

■ 37.2099, 0.1976,
0.2176

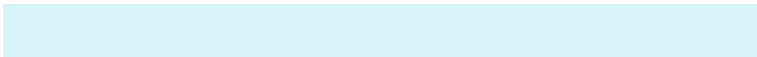
■ 33.1471, 0.1906,
0.2025

■ 30.6059, 0.1867,
0.1921

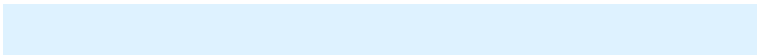
Harmonies

Analogous

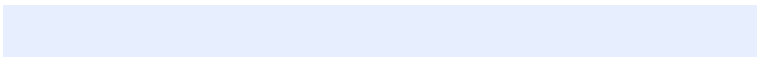
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2539, 0.2930, 0.3239



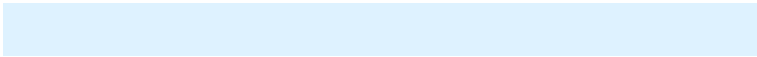
86.2539, 0.2925, 0.3157



86.2539, 0.2973, 0.3113

Triad

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



86.2539, 0.2925, 0.3157



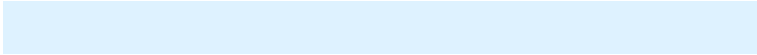
86.2539, 0.3268, 0.3243



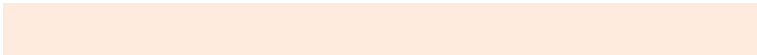
86.2539, 0.3190, 0.3472

Complementary

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



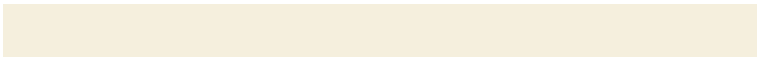
86.2539, 0.2925, 0.3157



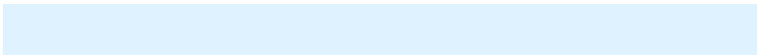
85.9107, 0.3348, 0.3419

Split Complementary

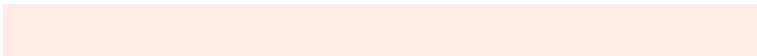
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2539, 0.3283, 0.3470



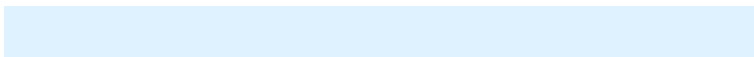
86.2539, 0.2925, 0.3157



86.2539, 0.3328, 0.3336

Square

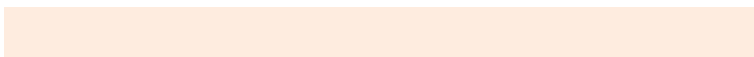
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2539, 0.2925, 0.3157



86.2539, 0.3170, 0.3163



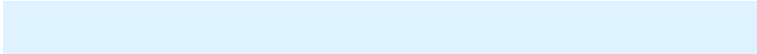
86.2539, 0.3333, 0.3419



86.2539, 0.3082, 0.3423

Rectangle

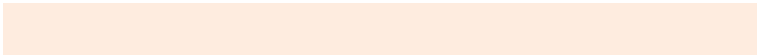
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2539, 0.2925, 0.3157



86.2539, 0.3029, 0.3109



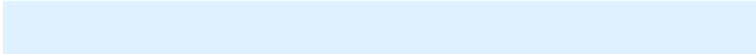
86.2539, 0.3333, 0.3419



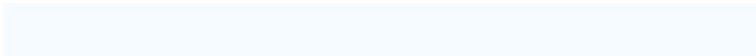
86.2539, 0.3224, 0.3477

Sweetspot

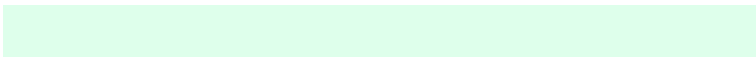
The Sweet Spot groups the original color and five complimentary colors.



86.2573, 0.2925, 0.3157



95.5866, 0.3065, 0.3251



93.0184, 0.3040, 0.3499



20.2855, 0.3054, 0.3243



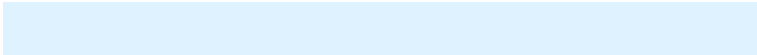
0.0000, 0.0000, 0.0000



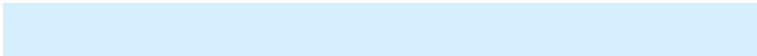
21.4041, 0.3127, 0.3290

Same Dimension

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



86.2573, 0.2925, 0.3157



83.2633, 0.2877, 0.3123



77.0308, 0.2921, 0.2988



19.2134, 0.2979, 0.3194



16.2915, 0.1874, 0.1946



1.7992, 0.1921, 0.2115

Inverse Universe

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



79.8895, 0.3228, 0.3093



75.6848, 0.3255, 0.3045



95.6161, 0.3327, 0.3576



18.1724, 0.3199, 0.3147



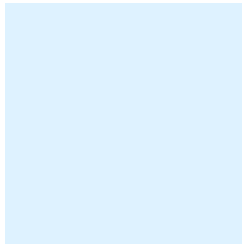
12.3726, 0.4515, 0.2261



1.2262, 0.4325, 0.2156

Previews

White Background



This preview shows how the Yxy color 86.2539, 0.2925, 0.3157 looks on a white background.

Color Contrast Check

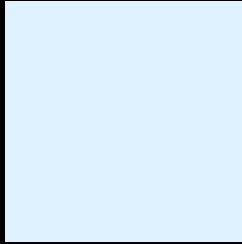
Large Text (above 18pt) WCAG AA × Fail

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 86.2539, 0.2925, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

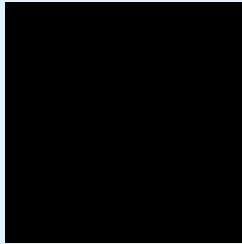
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

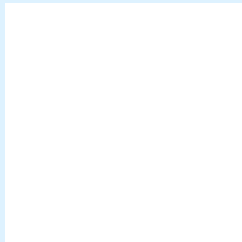
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.2539, 0.2925, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 86.2539, 0.2925, 0.3157.



This preview shows how white text looks on a background with the Yxy color 86.2539, 0.2925, 0.3157.

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

86.2539, 0.2925, 0.3157

Protanopia

85.9474, 0.3049, 0.3140

Deuteranopia

86.1933, 0.3117, 0.3076



Tritanopia

86.4615, 0.2956, 0.3148

Trichromacy

	Original Color 86.2539, 0.2925, 0.3157
	Protanomaly 86.1485, 0.3005, 0.3149
	Deuteranomaly 85.9117, 0.3044, 0.3102
	Tritanomaly 86.1381, 0.2943, 0.3147

Monochromacy

	Original Color 86.2539, 0.2925, 0.3157
	Achromatopsia 84.6873, 0.3127, 0.3290
	Achromatomaly 85.4205, 0.3051, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.2539, 0.2925, 0.3157 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 242, 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(222, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.2539, 0.2925, 0.3157 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, 242, 255) }
```

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

```
.border{ border-color:rgb(222, 242, 255) }
```

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

Here you see how a box with a 4 pixel rgb(222, 242, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.2539, 0.2925, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 242, 255) }
```

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

```
.background{ background-color: rgb(222,  
242, 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](#).

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