

Converting Colors

$Yxy(82.6575, 0.2923, 0.3093)$

Have a look what the booklet for
Yxy(82.6575, 0.2923, 0.3093)
contains.

Yxy(82.7405, 0.2924, 0.3095)	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(82.7405, 0.2924, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	DEECCF
RGB	222, 236, 255
RGB Percent	87%, 93%, 100%
CMY	0.1293, 0.0745, 0.0001
CMYK	0.13, 0.07, 0.00, 0.00
HSL	215°, 100%, 94%
HSV	215°, 13%, 100%
XYZ	78.1691, 82.7405, 106.4265
YIQ	233.9800, -14.4430, 2.9410

Conversions

Conversions Part 2

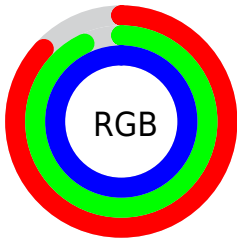
Format	Color
R _Y B	222, 232, 255
Decimal	14609663
CIE Lab	92.90, -0.94, -10.72
CIE LCh	93, 10.766, 264.972
Yxy	82.7405, 0.2924, 0.3095
Android (android.graphics.Color)	4292799743 (0xFFDEECFF)
YUV	233.9800, 10.3629, -10.5065
Hunter-Lab	90.9618, -5.7872, -5.6968

Details

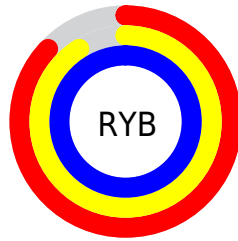
The Yxy color **82.7405, 0.2924, 0.3095** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.4273, 0.3339, 0.3478**, and the grayscale version is **82.1949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9352, 0.2883, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **70.9114, 0.2758, 0.2924**, and if you desaturate by 10%, it is **95.8795, 0.3083, 0.3249**.

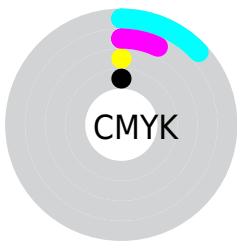
Distribution



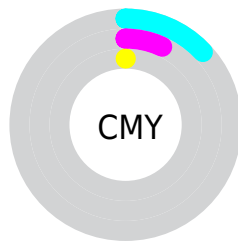
- Red (87%)
- Green (93%)
- Blue (100%)



- Red (87%)
- Yellow (91%)
- Blue (100%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7405, 0.2924, 0.3095 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 82.7405, 0.2924, 0.3095 by changing the saturation by 10% instead.

82.7405, 0.2924,
0.3095

82.7405, 0.2924,
0.3095

504.1213, 0.3016,
0.3183

61.9761, 0.2904,
0.3075

137.2120, 0.2955,
0.3125

45.0134, 0.2879,
0.3051

171.6878, 0.2968,
0.3137

31.4680, 0.2848,
0.3021

211.5029, 0.2978,
0.3147

20.9555, 0.2808,
0.2983

257.0417, 0.2988,
0.3156

13.0914, 0.2755,
0.2931

308.6885, 0.2996,
0.3164

7.4915, 0.2681,
0.2859

366.8278, 0.3003,

3.7714, 0.2572,

0.3171

0.2752

431.8439, 0.3010,
0.3177

■ 1.5465, 0.2393,
0.2575

■ 0.3211, 0.1651,
0.1879

■ 82.7405, 0.2924,
0.3095

■ 82.7405, 0.2924,
0.3095

■ 70.9114, 0.2758,
0.2924

■ 95.8795, 0.3083,
0.3249

■ 60.3381, 0.2587,
0.2735

99.9977, 0.3127,
0.3290

■ 50.9774, 0.2415,
0.2530

■ 42.7796, 0.2247,
0.2312

■ 35.6908, 0.2090,
0.2087

■ 29.6519, 0.1950,
0.1860

■ 24.5968, 0.1833,
0.1640

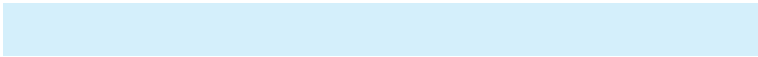
■ 20.4484, 0.1743,
0.1435

■ 17.9902, 0.1695,
0.1301

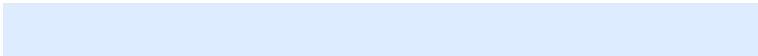
Harmonies

Analogous

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



82.7405, 0.2888, 0.3162



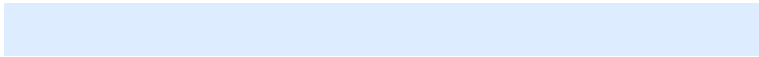
82.7405, 0.2924, 0.3095



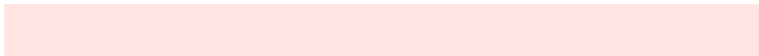
82.7405, 0.3014, 0.3081

Triad

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



82.7405, 0.2924, 0.3095



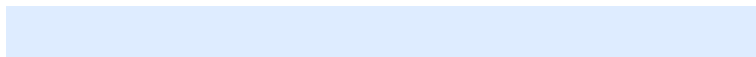
82.7405, 0.3345, 0.3308



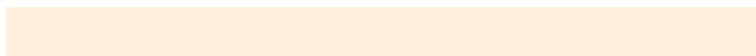
82.7405, 0.3115, 0.3469

Complementary

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



82.7405, 0.2924, 0.3095



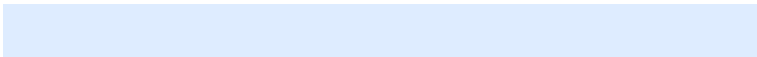
89.4273, 0.3339, 0.3478

Split Complementary

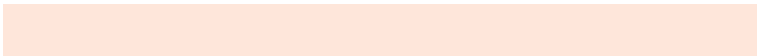
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.7405, 0.3238, 0.3508



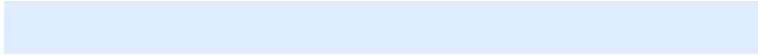
82.7405, 0.2924, 0.3095



82.7405, 0.3373, 0.3412

Square

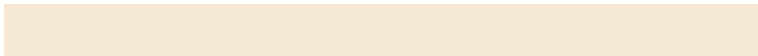
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7405, 0.2924, 0.3095



82.7405, 0.3257, 0.3203



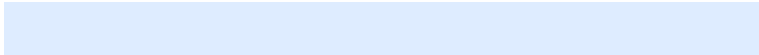
82.7405, 0.3333, 0.3486



82.7405, 0.2997, 0.3379

Rectangle

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



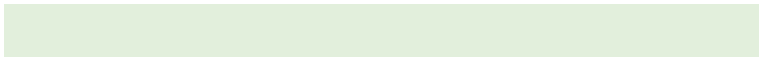
82.7405, 0.2924, 0.3095



82.7405, 0.3094, 0.3102



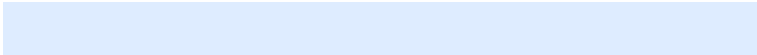
82.7405, 0.3333, 0.3486



82.7405, 0.3157, 0.3488

Sweetspot

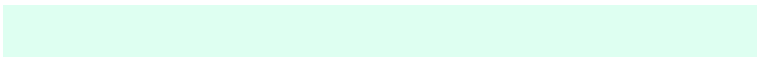
The Sweet Spot groups the original color and five complimentary colors.



82.7439, 0.2924, 0.3095



94.4280, 0.3066, 0.3233



93.3621, 0.3007, 0.3435



19.9923, 0.3054, 0.3222



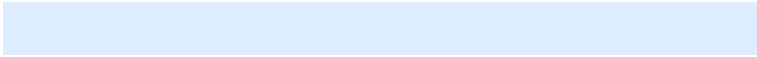
0.0000, 0.0000, 0.0000



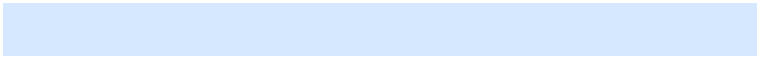
21.4041, 0.3127, 0.3290

Same Dimension

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



82.7439, 0.2924, 0.3095



78.9887, 0.2874, 0.3044



75.3534, 0.2935, 0.2949



18.6452, 0.2979, 0.3149



9.6842, 0.1703, 0.1332



1.1539, 0.1765, 0.1553

Inverse Universe

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



79.5632, 0.3268, 0.3152



75.2533, 0.3307, 0.3117



97.6110, 0.3307, 0.3612



18.1150, 0.3227, 0.3190



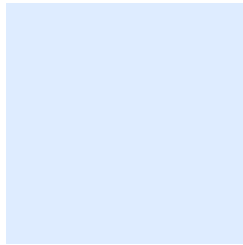
11.7056, 0.5283, 0.2684



1.1610, 0.4991, 0.2523

Previews

White Background



This preview shows how the Yxy color 82.7405, 0.2924, 0.3095 looks on a white background.

Color Contrast Check

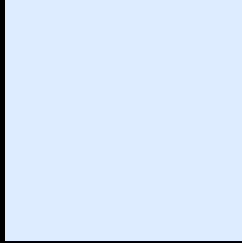
Large Text (above 18pt) WCAG AA × Fail

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 82.7405, 0.2924, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

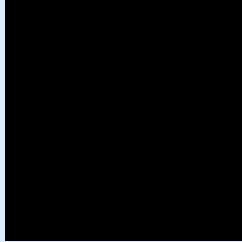
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

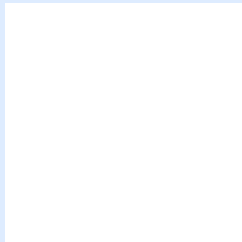
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7405, 0.2924, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 82.7405, 0.2924, 0.3095.



This preview shows how white text looks on a background with the Yxy color 82.7405, 0.2924, 0.3095.

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

82.7405, 0.2924, 0.3095

Protanopia

82.6933, 0.3005, 0.3088

Deuteranopia

82.2996, 0.3079, 0.3024



Tritanopia

82.7405, 0.2924, 0.3095

Trichromacy



Original Color

82.7405, 0.2924, 0.3095

Protanomaly

82.6594, 0.2973, 0.3087

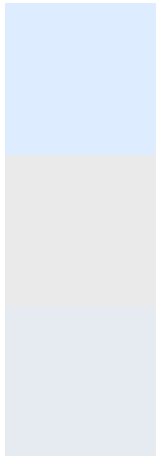
Deuteranomaly

82.3764, 0.3019, 0.3049

Tritanomaly

82.7405, 0.2924, 0.3095

Monochromacy



Original Color

82.7405, 0.2924, 0.3095

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6505, 0.3051, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7405, 0.2924, 0.3095 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, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 236, 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, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.7405, 0.2924, 0.3095 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, 236, 255) }
```

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

```
.border{ border-color:rgb(222, 236, 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, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7405, 0.2924, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 236, 255) }
```

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

```
.background{ background-color: rgb(222,  
236, 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