

Converting Colors

$Yxy(85.1797, 0.2719, 0.2694)$

Have a look what the booklet for
Yxy(85.1797, 0.2719, 0.2694)
contains.

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Color

Yxy(82.0732, 0.2942, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	E1EAFB
RGB	225, 234, 255
RGB Percent	88%, 92%, 100%
CMY	0.1176, 0.0823, 0.0000
CMYK	0.12, 0.08, 0.00, 0.00
HSL	222°, 100%, 94%
HSV	222°, 12%, 100%
XYZ	78.5234, 82.0732, 106.3081
YIQ	233.7030, -12.1050, 4.6230

Conversions

Conversions Part 2

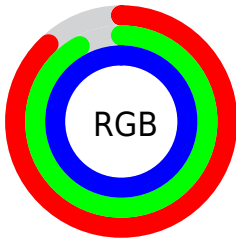
Format	Color
R _Y B	225, 232, 255
Decimal	14805759
CIE Lab	92.61, 1.03, -11.16
CIE LCh	93, 11.204, 275.266
Yxy	82.0732, 0.2942, 0.3075
Android (android.graphics.Color)	4292995839 (0xFFE1EAFF)
YUV	233.7030, 10.4994, -7.6325
Hunter-Lab	90.5943, -3.8235, -6.1581

Details

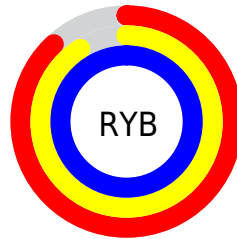
The Yxy color **82.0732, 0.2942, 0.3075** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.6032, 0.3314, 0.3496**, and the grayscale version is **81.9713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.4641, 0.2906, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **68.6251, 0.2772, 0.2868**, and if you desaturate by 10%, it is **97.1635, 0.3101, 0.3260**.

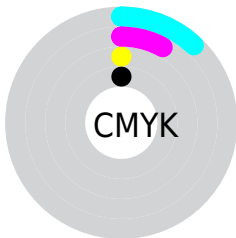
Distribution



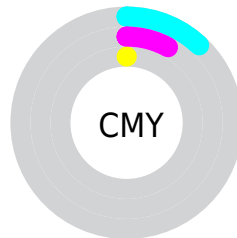
- Red (88%)
- Green (92%)
- Blue (100%)



- Red (88%)
- Yellow (91%)
- Blue (100%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0732, 0.2942, 0.3075 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 82.0732, 0.2942, 0.3075 by changing the saturation by 10% instead.

82.0732, 0.2942,
0.3075

82.0732, 0.2942,
0.3075

501.8925, 0.3026,
0.3172

61.4259, 0.2923,
0.3053

136.2766, 0.2971,
0.3108

44.5690, 0.2901,
0.3027

170.6016, 0.2982,
0.3121

31.1180, 0.2872,
0.2994

210.2545, 0.2992,
0.3132

20.6888, 0.2835,
0.2952

255.6197, 0.3000,
0.3142

12.8967, 0.2786,
0.2896

307.0818, 0.3008,
0.3151

7.3574, 0.2718,
0.2818

365.0250, 0.3014,

3.6866, 0.2616,

0.3159

0.2702

429.8338, 0.3020,
0.3166

■ 1.4999, 0.2447,
0.2511

■ 0.2886, 0.1774,
0.1710

■ 82.0732, 0.2942,
0.3075

■ 82.0732, 0.2942,
0.3075

■ 68.6251, 0.2772,
0.2868

■ 97.1635, 0.3101,
0.3260

■ 56.7518, 0.2592,
0.2638

99.9999, 0.3127,
0.3290

■ 46.3961, 0.2408,
0.2388

■ 37.4932, 0.2224,
0.2124

■ 29.9734, 0.2048,
0.1853

■ 23.7604, 0.1890,
0.1587

■ 18.7697, 0.1758,
0.1337

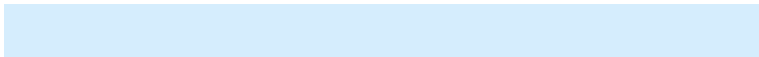
■ 14.9041, 0.1659,
0.1118

■ 12.4651, 0.1602,
0.0966

Harmonies

Analogous

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



82.0732, 0.2883, 0.3127



82.0732, 0.2942, 0.3075



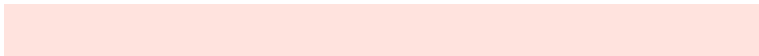
82.0732, 0.3050, 0.3080

Triad

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



82.0732, 0.2942, 0.3075



82.0732, 0.3372, 0.3348



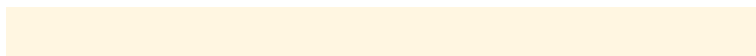
82.0732, 0.3070, 0.3450

Complementary

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



82.0732, 0.2942, 0.3075



92.6032, 0.3314, 0.3496

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.



82.0732, 0.3200, 0.3511



82.0732, 0.2942, 0.3075



82.0732, 0.3377, 0.3448

Square

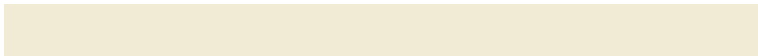
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0732, 0.2942, 0.3075



82.0732, 0.3300, 0.3235



82.0732, 0.3313, 0.3509



82.0732, 0.2956, 0.3343

Rectangle

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



82.0732, 0.2942, 0.3075



82.0732, 0.3137, 0.3114



82.0732, 0.3313, 0.3509



82.0732, 0.3113, 0.3476

Sweetspot

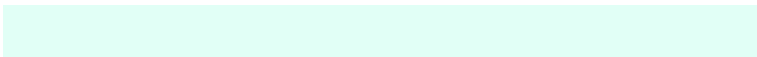
The Sweet Spot groups the original color and five complimentary colors.



82.0766, 0.2942, 0.3075



93.6466, 0.3066, 0.3220



94.1497, 0.2998, 0.3386



19.7949, 0.3054, 0.3207



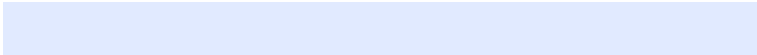
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.0766, 0.2942, 0.3075



78.9299, 0.2905, 0.3031



77.9765, 0.2976, 0.2984



18.2666, 0.2979, 0.3119



6.7400, 0.1610, 0.0994



0.8378, 0.1670, 0.1213

Inverse Universe

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



81.0513, 0.3279, 0.3201



77.7939, 0.3312, 0.3184



97.1867, 0.3268, 0.3585



18.0768, 0.3247, 0.3219



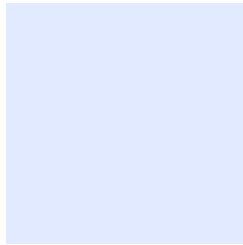
11.4084, 0.5768, 0.2951



1.1291, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 82.0732, 0.2942, 0.3075 looks on a white background.

Color Contrast Check

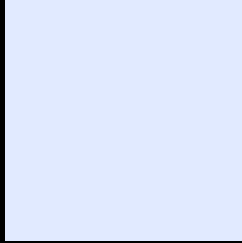
Large Text (above 18pt) WCAG AA × Fail

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 82.0732, 0.2942, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

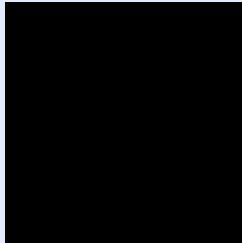
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

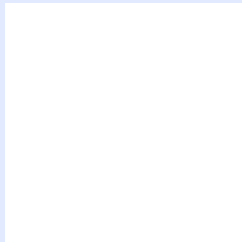
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0732, 0.2942, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 82.0732, 0.2942, 0.3075.

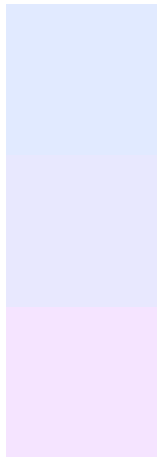


This preview shows how white text looks on a background with the Yxy color 82.0732, 0.2942, 0.3075.

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

82.0732, 0.2942, 0.3075

Protanopia

82.0248, 0.2992, 0.3067

Deuteranopia

82.1193, 0.3072, 0.3023



Tritanopia

81.9450, 0.2954, 0.3095

Trichromacy



Original Color

82.0732, 0.2942, 0.3075

Protanomaly

82.0916, 0.2973, 0.3076

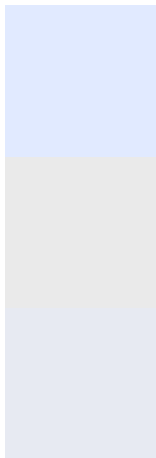
Deuteranomaly

81.9908, 0.3025, 0.3040

Tritanomaly

82.0089, 0.2948, 0.3085

Monochromacy



Original Color

82.0732, 0.2942, 0.3075

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.2454, 0.3058, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0732, 0.2942, 0.3075 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(225, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 234, 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(225, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.0732, 0.2942, 0.3075 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(225, 234, 255) }
```

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

```
.border{ border-color:rgb(225, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(225, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 234,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.0732, 0.2942, 0.3075$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 234, 255) }
```

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

```
.background{ background-color: rgb(225,  
234, 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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