

Converting Colors

$Yxy(89.0121, 0.2979, 0.3161)$

Have a look what the booklet for
Yxy(89.0121, 0.2979, 0.3161)
contains.

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Color

Yxy(89.0772, 0.2987, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	E8F4FF
RGB	232, 244, 255
RGB Percent	91%, 96%, 100%
CMY	0.0903, 0.0431, 0.0001
CMYK	0.09, 0.04, 0.00, 0.00
HSL	209°, 100%, 95%
HSV	209°, 9%, 100%
XYZ	83.6709, 89.0772, 107.3688
YIQ	241.6660, -10.6830, 0.8770

Conversions

Conversions Part 2

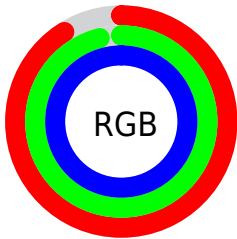
Format	Color
R _Y B	232, 240, 255
Decimal	15267071
CIE Lab	95.61, -1.89, -6.63
CIE LCh	96, 6.897, 254.090
Yxy	89.0772, 0.2987, 0.3180
Android (android.graphics.Color)	4293457151 (0xFFE8F4FF)
YUV	241.6660, 6.5737, -8.4771
Hunter-Lab	94.3807, -6.9214, -1.3826

Details

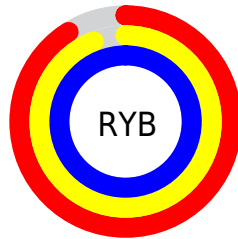
The Yxy color **89.0772, 0.2987, 0.3180** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **91.1468, 0.3274, 0.3398**, and the grayscale version is **88.4680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2738, 0.2956, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **78.0439, 0.2827, 0.3045**, and if you desaturate by 10%, it is **99.9984, 0.3127, 0.3290**.

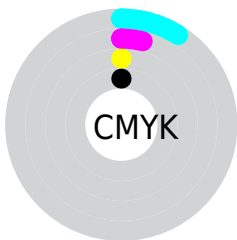
Distribution



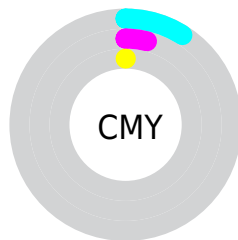
- Red (91%)
- Green (96%)
- Blue (100%)



- Red (91%)
- Yellow (94%)
- Blue (100%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0772, 0.2987, 0.3180 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 89.0772, 0.2987, 0.3180 by changing the saturation by 10% instead.

89.0772, 0.2987,
0.3180

89.0772, 0.2987,
0.3180

525.0244, 0.3049,
0.3229

67.2155, 0.2973,
0.3169

146.0559, 0.3008,
0.3197

49.2598, 0.2957,
0.3156

181.9418, 0.3017,
0.3203

34.8256, 0.2936,
0.3139

223.2711, 0.3024,
0.3209

23.5286, 0.2910,
0.3118

270.4284, 0.3030,
0.3214

14.9843, 0.2875,
0.3090

323.7980, 0.3036,
0.3219

8.8084, 0.2827,
0.3051

383.7642, 0.3041,

4.6164, 0.2756,

0.3223

0.2994

450.7116, 0.3045,
0.3226

■ 2.0240, 0.2643,
0.2900

■ 0.6214, 0.2350,
0.2682

■ 89.0772, 0.2987,
0.3180

■ 89.0772, 0.2987,
0.3180

■ 78.0439, 0.2827,
0.3045

99.9984, 0.3127,
0.3290

■ 68.0725, 0.2663,
0.2895

■ 59.1287, 0.2500,
0.2733

■ 51.1719, 0.2342,
0.2558

■ 44.1583, 0.2194,
0.2375

■ 38.0398, 0.2061,
0.2187

■ 32.7625, 0.1948,
0.1999

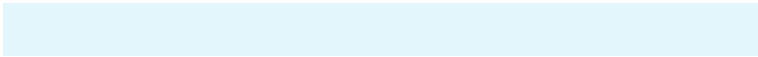
■ 28.2644, 0.1858,
0.1815

■ 24.4582, 0.1791,
0.1641

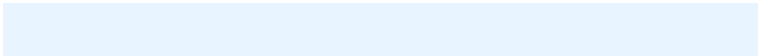
Harmonies

Analogous

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



89.0772, 0.2978, 0.3232



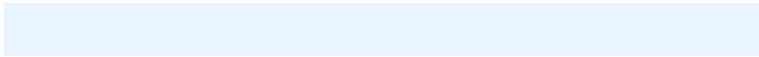
89.0772, 0.2987, 0.3180



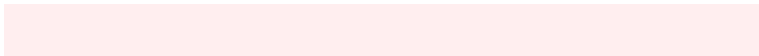
89.0772, 0.3033, 0.3158

Triad

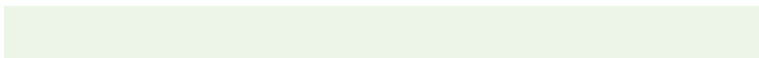
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0772, 0.2987, 0.3180



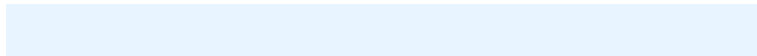
89.0772, 0.3247, 0.3277



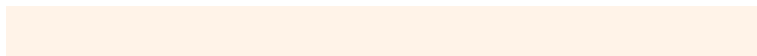
89.0772, 0.3149, 0.3414

Complementary

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



89.0772, 0.2987, 0.3180



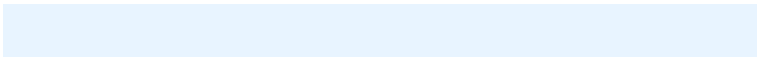
91.1468, 0.3274, 0.3398

Split Complementary

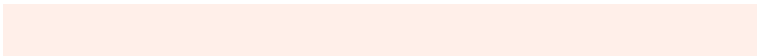
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0772, 0.3221, 0.3425



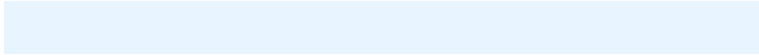
89.0772, 0.2987, 0.3180



89.0772, 0.3279, 0.3345

Square

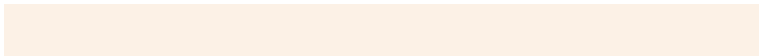
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0772, 0.2987, 0.3180



89.0772, 0.3183, 0.3214



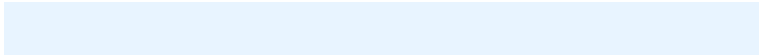
89.0772, 0.3269, 0.3399



89.0772, 0.3071, 0.3368

Rectangle

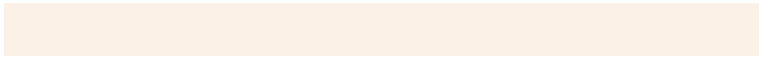
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0772, 0.2987, 0.3180



89.0772, 0.3079, 0.3162



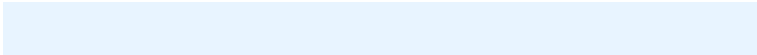
89.0772, 0.3269, 0.3399



89.0772, 0.3175, 0.3422

Sweetspot

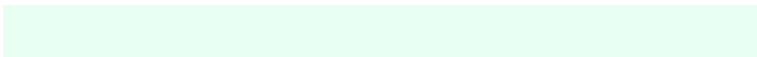
The Sweet Spot groups the original color and five complimentary colors.



89.0809, 0.2987, 0.3180



96.2732, 0.3081, 0.3255



95.1103, 0.3056, 0.3413



20.3969, 0.3069, 0.3245



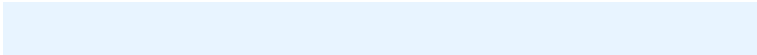
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



89.0809, 0.2987, 0.3180



86.8264, 0.2956, 0.3154



82.5061, 0.2986, 0.3065



18.9509, 0.2979, 0.3174



12.9031, 0.1792, 0.1652



1.4752, 0.1848, 0.1851

Inverse Universe

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



85.4904, 0.3207, 0.3173



82.5594, 0.3226, 0.3146



98.0963, 0.3263, 0.3505



18.1459, 0.3212, 0.3166



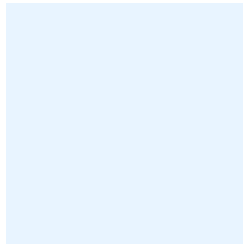
12.0305, 0.4865, 0.2454



1.1935, 0.4624, 0.2321

Previews

White Background



This preview shows how the Yxy color 89.0772, 0.2987, 0.3180 looks on a white background.

Color Contrast Check

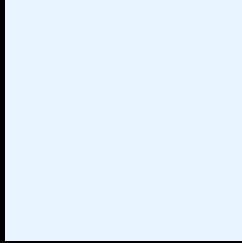
Large Text (above 18pt) WCAG AA × Fail

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 89.0772, 0.2987, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

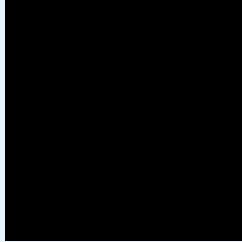
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

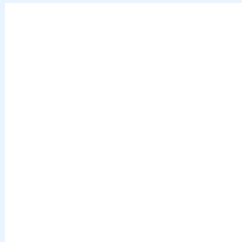
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0772, 0.2987, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 89.0772, 0.2987, 0.3180.



This preview shows how white text looks on a background with the Yxy color 89.0772, 0.2987, 0.3180.

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

89.0772, 0.2987, 0.3180

Protanopia

89.0571, 0.3068, 0.3172

Deuteranopia

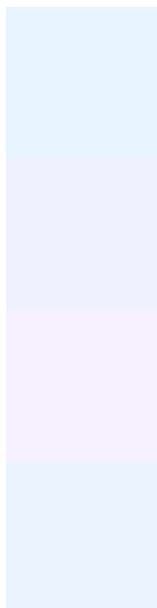
88.9202, 0.3148, 0.3136



Tritanopia

89.3257, 0.3018, 0.3171

Trichromacy



Original Color

89.0772, 0.2987, 0.3180

Protanomaly

89.0107, 0.3037, 0.3171

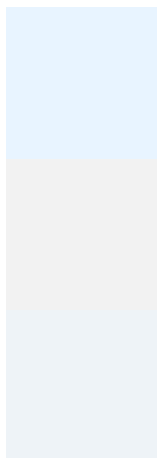
Deuteranomaly

89.2501, 0.3088, 0.3153

Tritanomaly

88.9834, 0.3006, 0.3170

Monochromacy



Original Color

89.0772, 0.2987, 0.3180

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

88.9937, 0.3071, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0772, 0.2987, 0.3180 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(232, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 244, 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(232, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.0772, 0.2987, 0.3180 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(232, 244, 255) }
```

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

```
.border{ border-color:rgb(232, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0772, 0.2987, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 244, 255) }
```

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

```
.background{ background-color: rgb(232,  
244, 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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