

Converting Colors

$Y_{xy}(90.0297, 0.2815, 0.2920)$

Have a look what the booklet for
Yxy(90.0297, 0.2815, 0.2920)
contains.

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Color

Yxy(88.4153, 0.2962, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	E4F4FF
RGB	228, 244, 255
RGB Percent	89%, 96%, 100%
CMY	0.1061, 0.0430, 0.0000
CMYK	0.11, 0.04, 0.00, 0.00
HSL	204°, 100%, 95%
HSV	204°, 11%, 100%
XYZ	82.3800, 88.4153, 107.3277
YIQ	240.4700, -13.0670, 0.0290

Conversions

Conversions Part 2

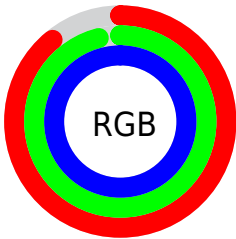
Format	Color
R _Y B	228, 238, 255
Decimal	15004927
CIE Lab	95.34, -3.17, -7.09
CIE LCh	95, 7.763, 245.874
Yxy	88.4153, 0.2962, 0.3179
Android (android.graphics.Color)	4293195007 (0xFFE4F4FF)
YUV	240.4700, 7.1633, -10.9362
Hunter-Lab	94.0294, -8.1660, -1.8546

Details

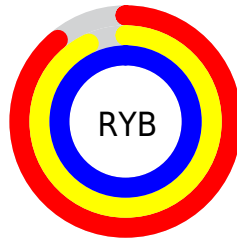
The Yxy color **88.4153, 0.2962, 0.3179** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5393, 0.3304, 0.3399**, and the grayscale version is **87.4704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8143, 0.2925, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **78.5020, 0.2803, 0.3063**, and if you desaturate by 10%, it is **99.3003, 0.3118, 0.3284**.

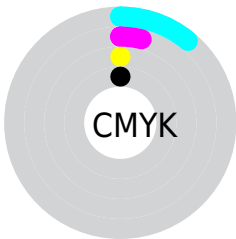
Distribution



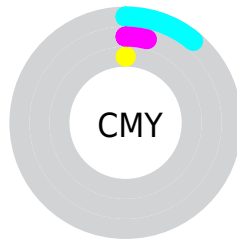
- Red (89%)
- Green (96%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4153, 0.2962, 0.3179 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 88.4153, 0.2962, 0.3179 by changing the saturation by 10% instead.

88.4153, 0.2962,
0.3179

88.4153, 0.2962,
0.3179

522.8623, 0.3036,
0.3229

66.6671, 0.2946,
0.3168

145.1352, 0.2987,
0.3196

48.8141, 0.2926,
0.3154

180.8757, 0.2997,
0.3203

34.4720, 0.2902,
0.3138

222.0490, 0.3005,
0.3209

23.2565, 0.2871,
0.3116

269.0395, 0.3013,
0.3214

14.7830, 0.2830,
0.3087

322.2318, 0.3020,
0.3218

8.6672, 0.2773,
0.3047

382.0100, 0.3025,

4.5248, 0.2690,

0.3222

0.2987

448.7588, 0.3031,
0.3226

■ 1.9712, 0.2557,
0.2889

■ 0.5907, 0.2176,
0.2656

■ 88.4153, 0.2962,
0.3179

■ 88.4153, 0.2962,
0.3179

■ 78.5020, 0.2803,
0.3063

■ 99.3003, 0.3118,
0.3284

■ 69.5167, 0.2645,
0.2935

■ 99.9998, 0.3127,
0.3290

■ 61.4286, 0.2489,
0.2796

■ 54.2004, 0.2341,
0.2648

■ 47.7917, 0.2206,
0.2493

■ 42.1578, 0.2086,
0.2335

■ 37.2484, 0.1986,
0.2175

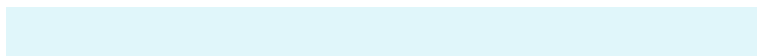
■ 33.0040, 0.1909,
0.2018

■ 29.5398, 0.1854,
0.1875

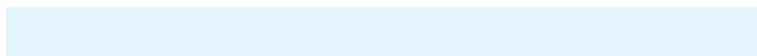
Harmonies

Analogous

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



88.4153, 0.2965, 0.3245



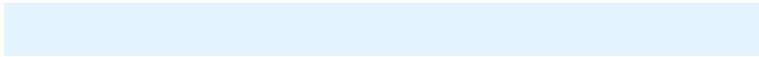
88.4153, 0.2962, 0.3179



88.4153, 0.3003, 0.3144

Triad

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



88.4153, 0.2962, 0.3179



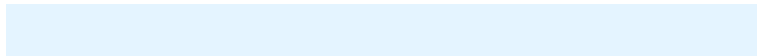
88.4153, 0.3245, 0.3255



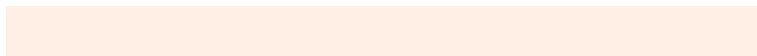
88.4153, 0.3175, 0.3438

Complementary

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



88.4153, 0.2962, 0.3179



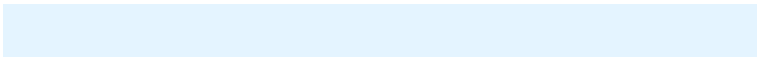
88.5393, 0.3304, 0.3399

Split Complementary

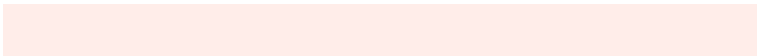
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4153, 0.3252, 0.3438



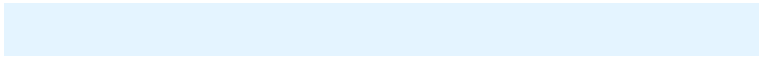
88.4153, 0.2962, 0.3179



88.4153, 0.3293, 0.3332

Square

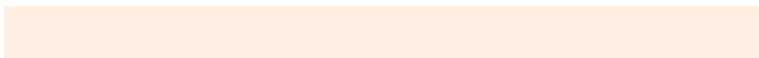
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



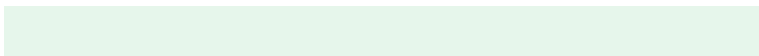
88.4153, 0.2962, 0.3179



88.4153, 0.3166, 0.3188



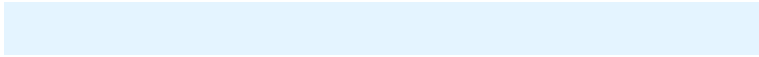
88.4153, 0.3295, 0.3399



88.4153, 0.3087, 0.3396

Rectangle

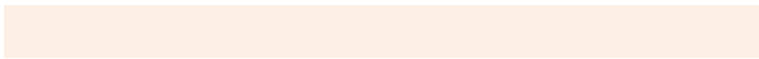
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.4153, 0.2962, 0.3179



88.4153, 0.3050, 0.3142



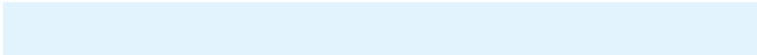
88.4153, 0.3295, 0.3399



88.4153, 0.3203, 0.3443

Sweetspot

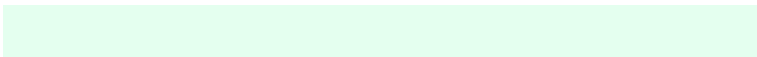
The Sweet Spot groups the original color and five complimentary colors.



88.4190, 0.2962, 0.3179



96.6142, 0.3081, 0.3260



94.2199, 0.3053, 0.3454



20.4890, 0.3069, 0.3252



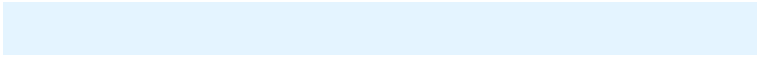
0.0000, 0.0000, 0.0000



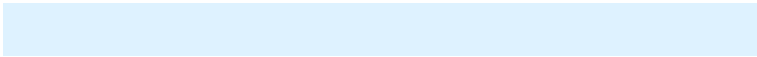
21.4041, 0.3127, 0.3290

Same Dimension

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



88.4190, 0.2962, 0.3179



85.9659, 0.2924, 0.3152



80.6569, 0.2960, 0.3041



19.1733, 0.2979, 0.3191



15.7364, 0.1861, 0.1900



1.7469, 0.1910, 0.2074

Inverse Universe

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



83.2456, 0.3210, 0.3133



79.8070, 0.3231, 0.3096



96.6612, 0.3289, 0.3527



18.1684, 0.3201, 0.3150



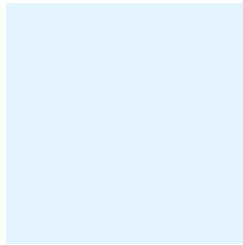
12.3166, 0.4567, 0.2290



1.2209, 0.4369, 0.2181

Previews

White Background



This preview shows how the Yxy color 88.4153, 0.2962, 0.3179 looks on a white background.

Color Contrast Check

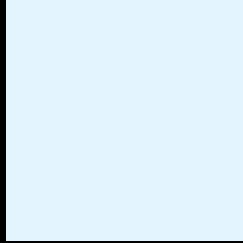
Large Text (above 18pt) WCAG AA × Fail

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 88.4153, 0.2962, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

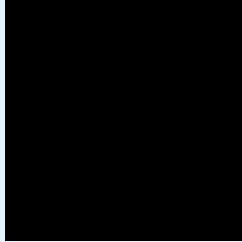
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

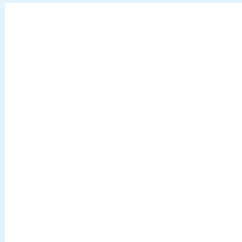
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.4153, 0.2962, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 88.4153, 0.2962, 0.3179.



This preview shows how white text looks on a background with the Yxy color 88.4153, 0.2962, 0.3179.

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

88.4153, 0.2962, 0.3179

Protanopia

88.2893, 0.3062, 0.3162

Deuteranopia

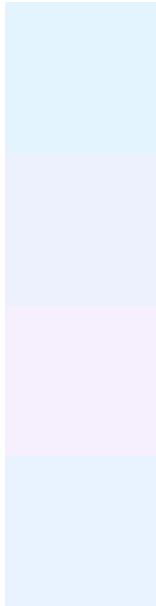
88.4067, 0.3142, 0.3117



Tritanopia

88.2167, 0.2999, 0.3160

Trichromacy



Original Color

88.4153, 0.2962, 0.3179

Protanomaly

88.0709, 0.3024, 0.3160

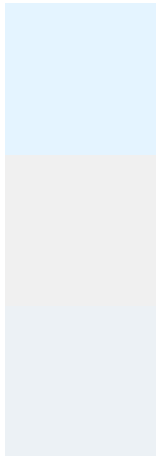
Deuteranomaly

88.3012, 0.3076, 0.3143

Tritanomaly

88.4770, 0.2987, 0.3170

Monochromacy



Original Color

88.4153, 0.2962, 0.3179

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.3360, 0.3071, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.4153, 0.2962, 0.3179 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(228, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 88.4153, 0.2962, 0.3179 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(228, 244, 255) }
```

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

```
.border{ border-color:rgb(228, 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(228, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 244,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 88.4153, 0.2962, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 244, 255) }
```

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

```
.background{ background-color: rgb(228,  
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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