

Converting Colors

$Yxy(89.0917, 0.2956, 0.3193)$

Have a look what the booklet for
Yxy(89.0917, 0.2956, 0.3193)
contains.

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Color

Yxy(88.8557, 0.2956, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	E3F5FF
RGB	227, 245, 255
RGB Percent	89%, 96%, 100%
CMY	0.1101, 0.0391, 0.0000
CMYK	0.11, 0.04, 0.00, 0.00
HSL	201°, 100%, 94%
HSV	201°, 11%, 100%
XYZ	82.3636, 88.8557, 107.4126
YIQ	240.7580, -13.9380, -0.7060

Conversions

Conversions Part 2

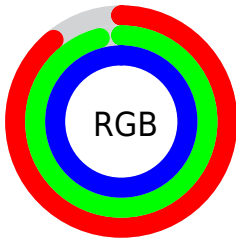
Format	Color
R _Y B	227, 238, 255
Decimal	14939647
CIE Lab	95.52, -4.00, -6.82
CIE LCh	96, 7.906, 239.603
Yxy	88.8557, 0.2956, 0.3189
Android (android.graphics.Color)	4293129727 (0xFFE3F5FF)
YUV	240.7580, 7.0213, -12.0658
Hunter-Lab	94.2633, -8.9945, -1.5764

Details

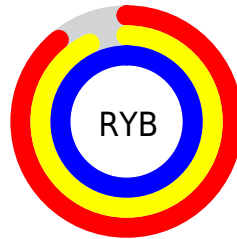
The Yxy color **88.8557, 0.2956, 0.3189** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3130, 0.3313, 0.3389**, and the grayscale version is **87.7089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1303, 0.2918, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **79.6683, 0.2799, 0.3087**, and if you desaturate by 10%, it is **98.9329, 0.3112, 0.3281**.

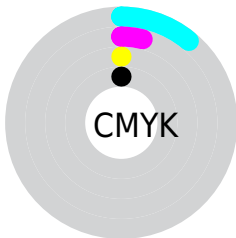
Distribution



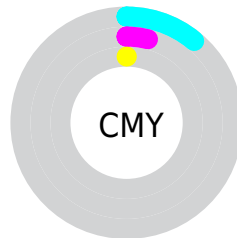
- Red (89%)
- Green (96%)
- Blue (100%)



- 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 88.8557, 0.2956, 0.3189 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 88.8557, 0.2956, 0.3189 by changing the saturation by 10% instead.

88.8557, 0.2956,
0.3189

88.8557, 0.2956,
0.3189

524.3014, 0.3032,
0.3235

67.0320, 0.2939,
0.3179

145.7479, 0.2982,
0.3205

49.1106, 0.2919,
0.3167

181.5851, 0.2992,
0.3211

34.7072, 0.2894,
0.3151

222.8623, 0.3001,
0.3216

23.4374, 0.2862,
0.3131

269.9639, 0.3009,
0.3221

14.9168, 0.2820,
0.3105

323.2741, 0.3016,
0.3225

8.7610, 0.2761,
0.3068

383.1776, 0.3022,

4.5856, 0.2676,

0.3228

0.3013

450.0585, 0.3027,
0.3232

■ 2.0063, 0.2540,
0.2923

■ 0.6111, 0.2150,
0.2719

■ 88.8557, 0.2956,
0.3189

■ 88.8557, 0.2956,
0.3189

■ 79.6683, 0.2799,
0.3087

■ 98.9329, 0.3112,
0.3281

■ 71.3288, 0.2644,
0.2975

■ 99.9997, 0.3127,
0.3290

■ 63.8083, 0.2494,
0.2855

■ 57.0714, 0.2352,
0.2726

■ 51.0796, 0.2224,
0.2592

■ 45.7902, 0.2113,
0.2454

■ 41.1548, 0.2022,
0.2315

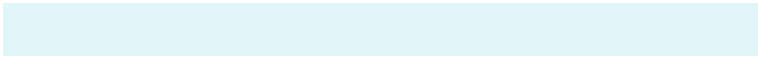
■ 37.1159, 0.1952,
0.2178

■ 33.9147, 0.1905,
0.2058

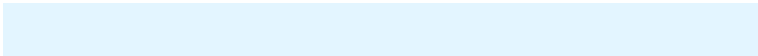
Harmonies

Analogous

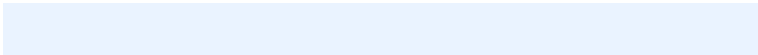
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8557, 0.2968, 0.3261



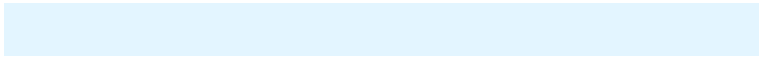
88.8557, 0.2956, 0.3189



88.8557, 0.2989, 0.3146

Triad

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



88.8557, 0.2956, 0.3189



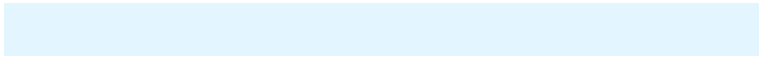
88.8557, 0.3232, 0.3238



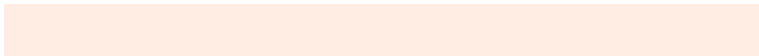
88.8557, 0.3194, 0.3444

Complementary

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



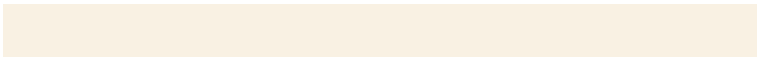
88.8557, 0.2956, 0.3189



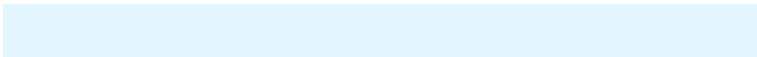
87.3130, 0.3313, 0.3389

Split Complementary

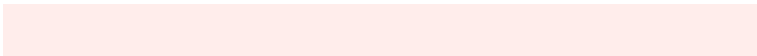
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8557, 0.3266, 0.3436



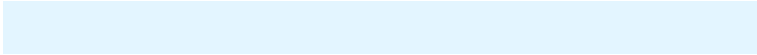
88.8557, 0.2956, 0.3189



88.8557, 0.3289, 0.3316

Square

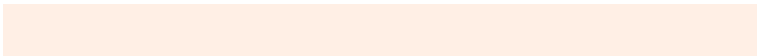
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



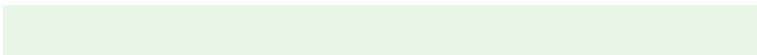
88.8557, 0.2956, 0.3189



88.8557, 0.3148, 0.3175



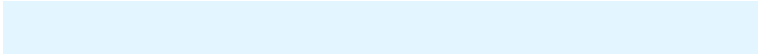
88.8557, 0.3301, 0.3388



88.8557, 0.3105, 0.3410

Rectangle

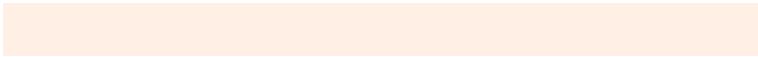
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8557, 0.2956, 0.3189



88.8557, 0.3032, 0.3138



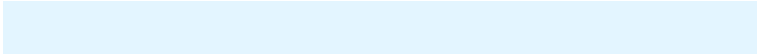
88.8557, 0.3301, 0.3388



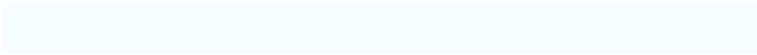
88.8557, 0.3221, 0.3446

Sweetspot

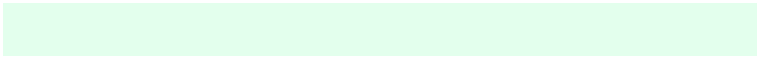
The Sweet Spot groups the original color and five complimentary colors.



88.8594, 0.2956, 0.3189



96.8560, 0.3081, 0.3264



93.9370, 0.3058, 0.3475



20.5543, 0.3068, 0.3256



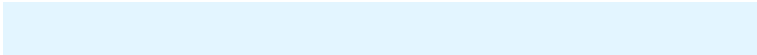
0.0000, 0.0000, 0.0000



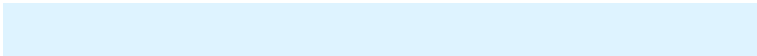
21.4041, 0.3127, 0.3290

Same Dimension

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



88.8594, 0.2956, 0.3189



86.9604, 0.2925, 0.3169



80.7702, 0.2954, 0.3046



19.3318, 0.2980, 0.3204



18.0139, 0.1911, 0.2080



1.9602, 0.1954, 0.2234

Inverse Universe

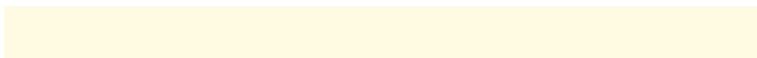
The Inverse Universe completely reimagines the original color for something new.



82.7538, 0.3204, 0.3113



79.9074, 0.3220, 0.3080



95.6622, 0.3297, 0.3523



18.1844, 0.3193, 0.3138



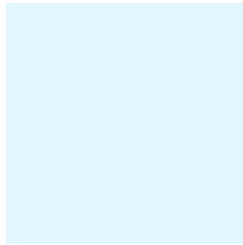
12.5465, 0.4363, 0.2177



1.2424, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 88.8557, 0.2956, 0.3189 looks on a white background.

Color Contrast Check

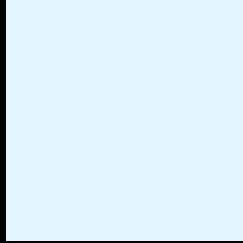
Large Text (above 18pt) WCAG AA × Fail

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 88.8557, 0.2956, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

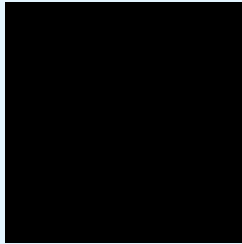
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

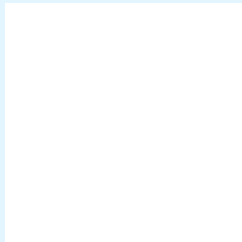
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.8557, 0.2956, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 88.8557, 0.2956, 0.3189.

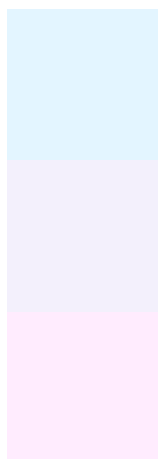


This preview shows how white text looks on a background with the Yxy color 88.8557, 0.2956, 0.3189.

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

88.8557, 0.2956, 0.3189

Protanopia

88.4031, 0.3074, 0.3172

Deuteranopia

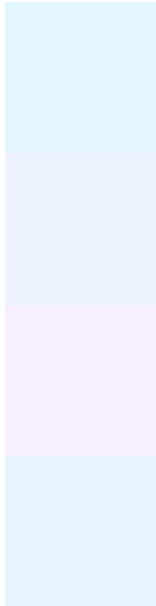
88.4067, 0.3142, 0.3117



Tritanopia

88.8136, 0.2999, 0.3170

Trichromacy



Original Color

88.8557, 0.2956, 0.3189

Protanomaly

88.6006, 0.3030, 0.3180

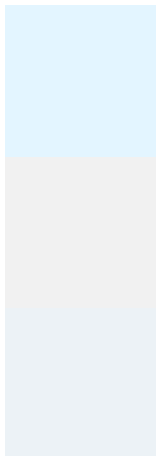
Deuteranomaly

88.3012, 0.3076, 0.3143

Tritanomaly

88.9103, 0.2981, 0.3179

Monochromacy



Original Color

88.8557, 0.2956, 0.3189

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9909, 0.3065, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.8557, 0.2956, 0.3189 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(227, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 245, 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(227, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 88.8557, 0.2956, 0.3189 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(227, 245, 255) }
```

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

```
.border{ border-color:rgb(227, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 88.8557, 0.2956, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 245, 255) }
```

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

```
.background{ background-color: rgb(227,  
245, 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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