

Converting Colors

$Yxy(87.3674, 0.2993, 0.3174)$

Have a look what the booklet for
Yxy(87.3674, 0.2993, 0.3174)
contains.

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Color

Yxy(87.5850, 0.2992, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	E7F2FD
RGB	231, 242, 253
RGB Percent	91%, 95%, 99%
CMY	0.0942, 0.0509, 0.0078
CMYK	0.09, 0.04, 0.00, 0.01
HSL	210°, 85%, 95%
HSV	210°, 9%, 99%
XYZ	82.4329, 87.5850, 105.4932
YIQ	239.9650, -10.0870, 1.0890

Conversions

Conversions Part 2

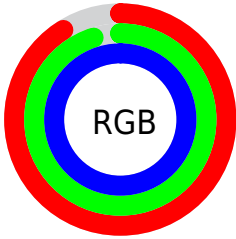
Format	Color
R_{YB}	231, 238, 253
Decimal	15201021
CIE _{Lab}	94.99, -1.56, -6.55
CIE _{LCh}	95, 6.732, 256.563
Yxy	87.5850, 0.2992, 0.3179
Android (android.graphics.Color)	4293391101 (0xFFE7F2FD)
YUV	239.9650, 6.4263, -7.8623
Hunter-Lab	93.5869, -6.5511, -1.3222

Details

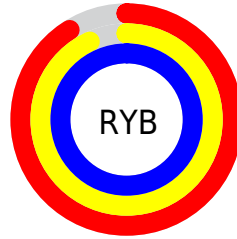
The Yxy color **87.5850, 0.2992, 0.3179** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.1448, 0.3268, 0.3399**, and the grayscale version is **87.0641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2173, 0.2963, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **76.4162, 0.2831, 0.3038**, and if you desaturate by 10%, it is **99.6447, 0.3139, 0.3306**.

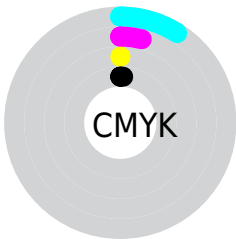
Distribution



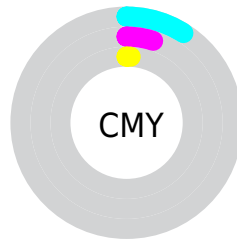
- Red (91%)
- Green (95%)
- Blue (99%)



- Red (91%)
- Yellow (93%)
- Blue (99%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5850, 0.2992, 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 87.5850, 0.2992, 0.3179 by changing the saturation by 10% instead.

87.5850, 0.2992,
0.3179

87.5850, 0.2992,
0.3179

520.1432, 0.3052,
0.3229

65.9794, 0.2979,
0.3168

143.9793, 0.3013,
0.3196

48.2557, 0.2963,
0.3154

179.5367, 0.3021,
0.3203

34.0294, 0.2942,
0.3138

220.5136, 0.3028,
0.3209

22.9162, 0.2917,
0.3116

267.2943, 0.3034,
0.3214

14.5316, 0.2883,
0.3088

320.2633, 0.3039,
0.3218

8.4914, 0.2835,
0.3048

379.8048, 0.3044,

4.4109, 0.2766,

0.3222

0.2989

446.3033, 0.3048,
0.3226

■ 1.9060, 0.2653,
0.2892

■ 0.5520, 0.2316,
0.2628

■ 87.5850, 0.2992,
0.3179

■ 87.5850, 0.2992,
0.3179

■ 76.4162, 0.2831,
0.3038

99.6447, 0.3139,
0.3306

■ 66.3353, 0.2666,
0.2881

99.8722, 0.3139,
0.3309

■ 57.3073, 0.2502,
0.2711

■ 49.2911, 0.2341,
0.2528

■ 42.2421, 0.2189,
0.2336

■ 36.1117, 0.2052,
0.2139

■ 30.8455, 0.1935,
0.1942

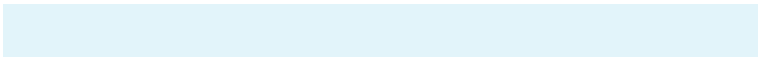
■ 26.3810, 0.1841,
0.1751

■ 22.6333, 0.1772,
0.1570

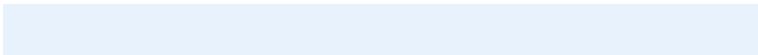
Harmonies

Analogous

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



87.5850, 0.2980, 0.3228



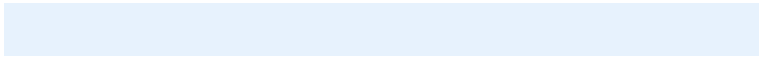
87.5850, 0.2992, 0.3179



87.5850, 0.3040, 0.3160

Triad

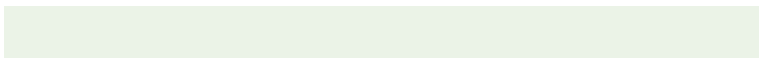
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5850, 0.2992, 0.3179



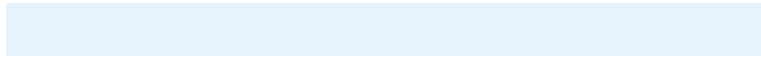
87.5850, 0.3249, 0.3283



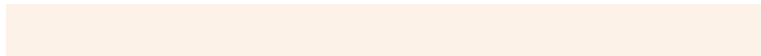
87.5850, 0.3142, 0.3409

Complementary

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



87.5850, 0.2992, 0.3179



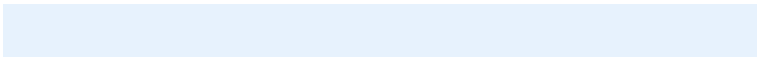
90.1448, 0.3268, 0.3399

Split Complementary

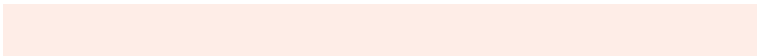
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5850, 0.3214, 0.3423



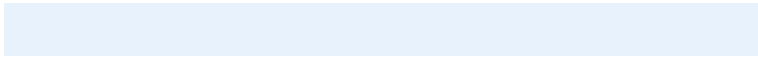
87.5850, 0.2992, 0.3179



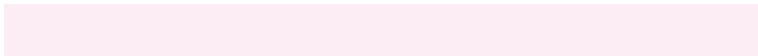
87.5850, 0.3277, 0.3349

Square

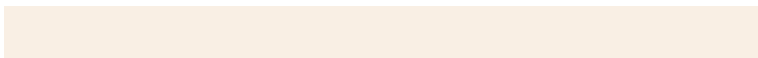
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5850, 0.2992, 0.3179



87.5850, 0.3188, 0.3220



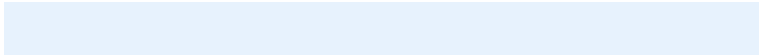
87.5850, 0.3264, 0.3401



87.5850, 0.3066, 0.3362

Rectangle

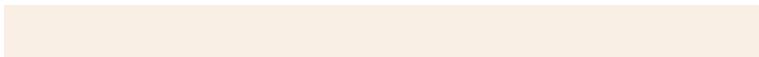
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5850, 0.2992, 0.3179



87.5850, 0.3086, 0.3166



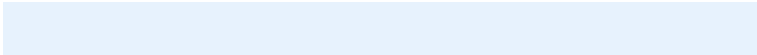
87.5850, 0.3264, 0.3401



87.5850, 0.3167, 0.3418

Sweetspot

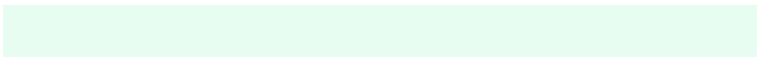
The Sweet Spot groups the original color and five complimentary colors.



87.5887, 0.2992, 0.3179



96.1649, 0.3081, 0.3253



93.6292, 0.3056, 0.3404



20.3677, 0.3069, 0.3243



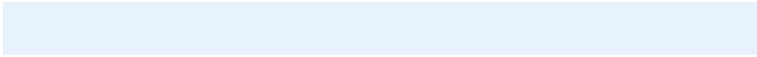
0.0000, 0.0000, 0.0000



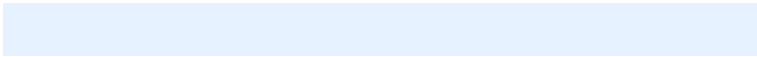
21.4041, 0.3127, 0.3290

Same Dimension

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



87.5887, 0.2992, 0.3179



87.6239, 0.2971, 0.3162



81.4269, 0.2992, 0.3070



18.8805, 0.2979, 0.3168



12.0938, 0.1771, 0.1576



1.3960, 0.1828, 0.1782

Inverse Universe

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



84.4380, 0.3207, 0.3182



84.0026, 0.3220, 0.3165



96.6753, 0.3257, 0.3501



18.1388, 0.3215, 0.3172



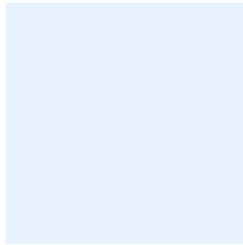
11.9488, 0.4961, 0.2507



1.1855, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 87.5850, 0.2992, 0.3179 looks on a white background.

Color Contrast Check

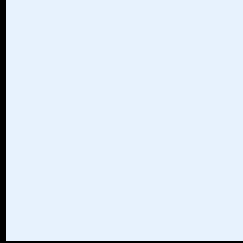
Large Text (above 18pt) WCAG AA × Fail

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 87.5850, 0.2992, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

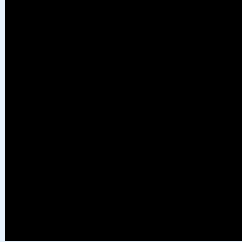
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

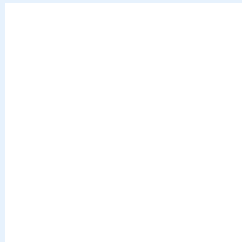
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5850, 0.2992, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 87.5850, 0.2992, 0.3179.



This preview shows how white text looks on a background with the Yxy color 87.5850, 0.2992, 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

87.5850, 0.2992, 0.3179

Protanopia

87.3988, 0.3068, 0.3171

Deuteranopia

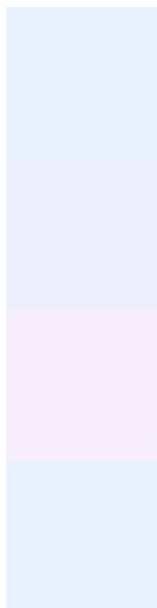
87.1975, 0.3149, 0.3107



Tritanopia

87.6230, 0.2999, 0.3150

Trichromacy



Original Color

87.5850, 0.2992, 0.3179

Protanomaly

87.3530, 0.3036, 0.3170

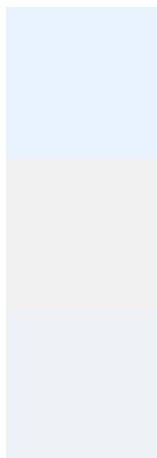
Deuteranomaly

87.2531, 0.3089, 0.3133

Tritanomaly

87.3900, 0.2999, 0.3159

Monochromacy



Original Color

87.5850, 0.2992, 0.3179

Achromatopsia

87.1367, 0.3127, 0.3290

Achromatomaly

87.5077, 0.3077, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5850, 0.2992, 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(231, 242, 253)` looks like.

```
.text, #text, p{  
    color:rgb(231, 242, 253)  
}
```

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(231, 242, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 242, 253) }
```

Border

The CSS property to change the border of an element to Yxy 87.5850, 0.2992, 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(231, 242, 253) }
```

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

```
.border{ border-color:rgb(231, 242, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 242, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 242, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 242, 253);  
box-shadow:4px 4px 4px 4px rgb(231, 242,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5850, 0.2992, 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(231, 242, 253) }
```

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

```
.background{ background-color: rgb(231,  
242, 253) }
```

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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