

Converting Colors

$Yxy(89.8457, 0.3025, 0.3199)$

Have a look what the booklet for
Yxy(89.8457, 0.3025, 0.3199)
contains.

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Color

Yxy(89.7977, 0.3030, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	EDF4FD
RGB	237, 244, 253
RGB Percent	93%, 96%, 99%
CMY	0.0703, 0.0432, 0.0078
CMYK	0.06, 0.04, 0.00, 0.01
HSL	214°, 80%, 96%
HSV	214°, 6%, 99%
XYZ	85.0272, 89.7977, 105.7929
YIQ	242.9330, -7.0610, 1.3150

Conversions

Conversions Part 2

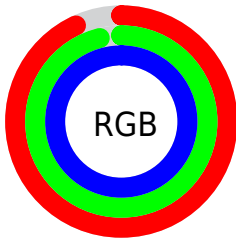
Format	Color
R _Y B	237, 242, 253
Decimal	15594749
CIE Lab	95.91, -0.61, -5.14
CIE LCh	96, 5.173, 263.239
Yxy	89.7977, 0.3030, 0.3200
Android (android.graphics.Color)	4293784829 (0xFFEDF4FD)
YUV	242.9330, 4.9630, -5.2032
Hunter-Lab	94.7616, -5.6694, 0.1412

Details

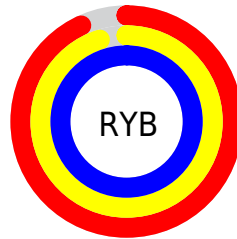
The Yxy color **89.7977, 0.3030, 0.3200** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **92.9888, 0.3226, 0.3378**, and the grayscale version is **89.5477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7757, 0.3010, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **77.4470, 0.2869, 0.3043**, and if you desaturate by 10%, it is **99.8730, 0.3139, 0.3309**.

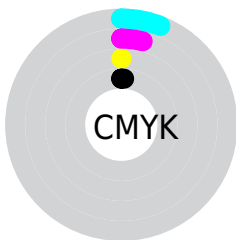
Distribution



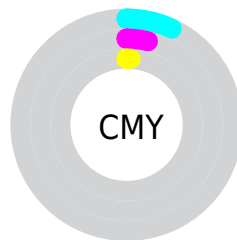
- Red (93%)
- Green (96%)
- Blue (99%)



- Red (93%)
- Yellow (95%)
- Blue (99%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)




- Cyan (7%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7977, 0.3030, 0.3200 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 89.7977, 0.3030, 0.3200 by changing the saturation by 10% instead.

 89.7977, 0.3030,
0.3200

 89.7977, 0.3030,
0.3200


527.3726, 0.3073,
0.3240

 67.8129, 0.3020,
0.3191


147.0574, 0.3045,
0.3214

 49.7455, 0.3009,
0.3180


183.1010, 0.3050,
0.3219

 35.2112, 0.2995,
0.3167

224.5996, 0.3056,
0.3224

 23.8256, 0.2976,
0.3150

271.9378, 0.3060,
0.3228

 15.2043, 0.2952,
0.3127

325.4997, 0.3064,
0.3231

 8.9629, 0.2919,
0.3096

385.6699, 0.3067,

 4.7170, 0.2870,

0.3235

0.3050

452.8327, 0.3070,
0.3238

■ 2.0822, 0.2791,
0.2975

■ 0.6546, 0.2598,
0.2800

■ 89.7977, 0.3030,
0.3200

■ 89.7977, 0.3030,
0.3200

■ 77.4470, 0.2869,
0.3043

99.8730, 0.3139,
0.3309

■ 66.3384, 0.2701,
0.2869

■ 56.4325, 0.2530,
0.2677

■ 47.6835, 0.2360,
0.2471

■ 40.0420, 0.2197,
0.2253

■ 33.4545, 0.2046,
0.2030

■ 27.8620, 0.1914,
0.1808

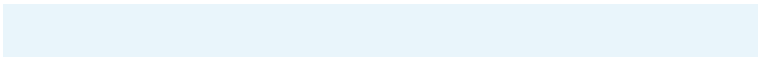
■ 23.1973, 0.1807,
0.1594

■ 19.3808, 0.1727,
0.1397

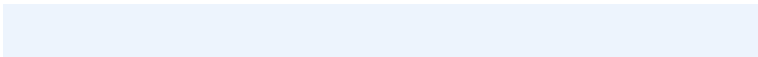
Harmonies

Analogous

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



89.7977, 0.3014, 0.3233



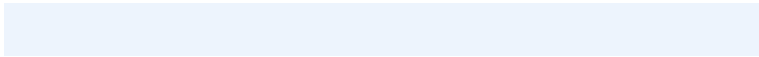
89.7977, 0.3030, 0.3200



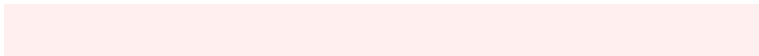
89.7977, 0.3072, 0.3191

Triad

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



89.7977, 0.3030, 0.3200



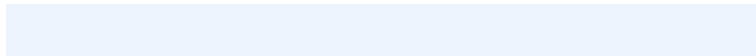
89.7977, 0.3227, 0.3297



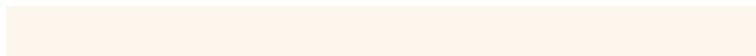
89.7977, 0.3125, 0.3374

Complementary

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



89.7977, 0.3030, 0.3200



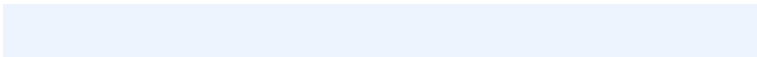
92.9888, 0.3226, 0.3378

Split Complementary

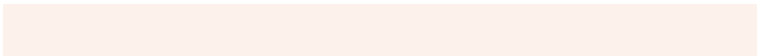
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7977, 0.3183, 0.3391



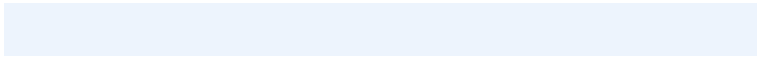
89.7977, 0.3030, 0.3200



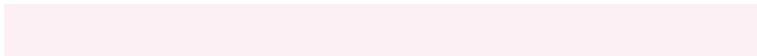
89.7977, 0.3241, 0.3346

Square

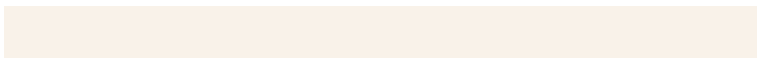
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



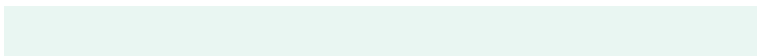
89.7977, 0.3030, 0.3200



89.7977, 0.3185, 0.3246



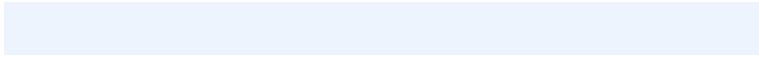
89.7977, 0.3225, 0.3380



89.7977, 0.3069, 0.3334

Rectangle

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



89.7977, 0.3030, 0.3200



89.7977, 0.3109, 0.3200



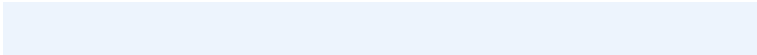
89.7977, 0.3225, 0.3380



89.7977, 0.3145, 0.3383

Sweetspot

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



89.8015, 0.3030, 0.3200



97.2142, 0.3097, 0.3262



94.9409, 0.3068, 0.3358



20.8371, 0.3098, 0.3264



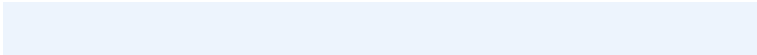
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



89.8015, 0.3030, 0.3200



89.1741, 0.3003, 0.3175



85.9110, 0.3038, 0.3131



18.6712, 0.2979, 0.3152



9.9283, 0.1711, 0.1358



1.1790, 0.1772, 0.1577

Inverse Universe

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



88.0323, 0.3190, 0.3223



86.9451, 0.3209, 0.3204



97.0678, 0.3214, 0.3445



18.1177, 0.3226, 0.3188



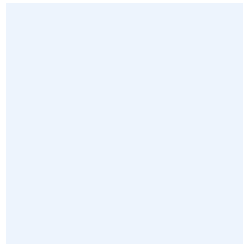
11.7302, 0.5248, 0.2665



1.1636, 0.4960, 0.2506

Previews

White Background



This preview shows how the Yxy color 89.7977, 0.3030, 0.3200 looks on a white background.

Color Contrast Check

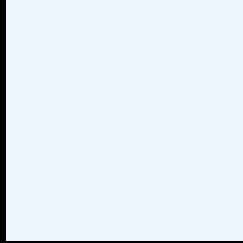
Large Text (above 18pt) WCAG AA × Fail

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 89.7977, 0.3030, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

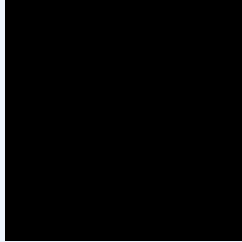
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

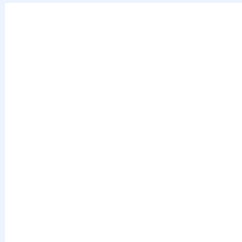
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.7977, 0.3030, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 89.7977, 0.3030, 0.3200.

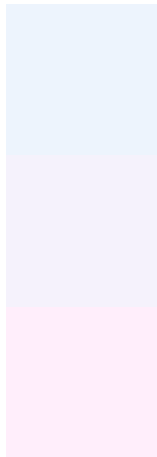


This preview shows how white text looks on a background with the Yxy color 89.7977, 0.3030, 0.3200.

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

89.7977, 0.3030, 0.3200

Protanopia

89.9450, 0.3087, 0.3192

Deuteranopia

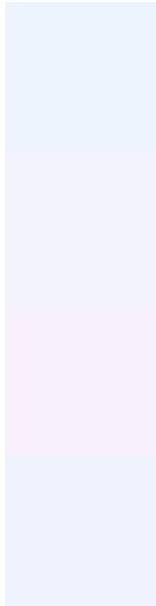
89.3741, 0.3159, 0.3165



Tritanopia

89.8464, 0.3037, 0.3171

Trichromacy



Original Color

89.7977, 0.3030, 0.3200

Protanomaly

90.0067, 0.3067, 0.3201

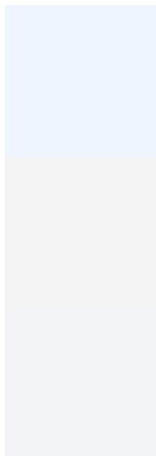
Deuteranomaly

89.3049, 0.3107, 0.3173

Tritanomaly

89.6077, 0.3036, 0.3181

Monochromacy



Original Color

89.7977, 0.3030, 0.3200

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5174, 0.3090, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7977, 0.3030, 0.3200 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(237, 244, 253)` looks like.

```
.text, #text, p{  
    color:rgb(237, 244, 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(237, 244, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 244, 253) }
```

Border

The CSS property to change the border of an element to Yxy 89.7977, 0.3030, 0.3200 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(237, 244, 253) }
```

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

```
.border{ border-color:rgb(237, 244, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 244, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 244, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 244, 253);  
box-shadow:4px 4px 4px 4px rgb(237, 244,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7977, 0.3030, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 244, 253) }
```

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

```
.background{ background-color: rgb(237,  
244, 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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