

Converting Colors

$Yxy(89.1367, 0.3035, 0.3160)$

Have a look what the booklet for
Yxy(89.1367, 0.3035, 0.3160)
contains.

Yxy(89.2495, 0.3037, 0.3161)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.2495, 0.3037, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	F0F2FF
RGB	240, 242, 255
RGB Percent	94%, 95%, 100%
CMY	0.0587, 0.0510, 0.0000
CMYK	0.06, 0.05, 0.00, 0.00
HSL	232°, 100%, 97%
HSV	232°, 6%, 100%
XYZ	85.7484, 89.2495, 107.3479
YIQ	242.8840, -5.3650, 3.6190

Conversions

Conversions Part 2

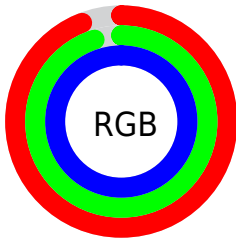
Format	Color
R _Y B	240, 242, 255
Decimal	15790847
CIE Lab	95.68, 1.73, -6.50
CIE LCh	96, 6.723, 284.938
Yxy	89.2495, 0.3037, 0.3161
Android (android.graphics.Color)	4293980927 (0xFFFF0F2FF)
YUV	242.8840, 5.9732, -2.5293
Hunter-Lab	94.4720, -3.3086, -1.2405

Details

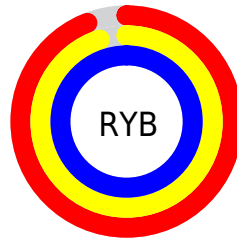
The Yxy color **89.2495, 0.3037, 0.3161** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.8236, 0.3216, 0.3415**, and the grayscale version is **89.4885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3854, 0.3020, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **72.7009, 0.2870, 0.2919**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

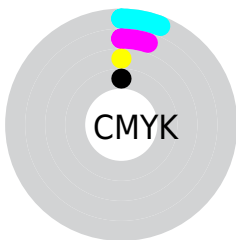
Distribution



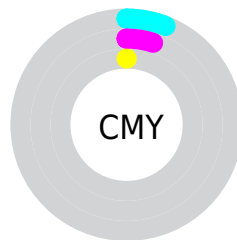
- Red (94%)
- Green (95%)
- Blue (100%)



- Red (94%)
- Yellow (95%)
- Blue (100%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.2495, 0.3037, 0.3161 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 89.2495, 0.3037, 0.3161 by changing the saturation by 10% instead.


 89.2495, 0.3037,
0.3161

 89.2495, 0.3037,
0.3161


525.5865, 0.3077,
0.3218

 67.3584, 0.3028,
0.3148


146.2955, 0.3051,
0.3180

 49.3759, 0.3017,
0.3133

182.2191, 0.3056,
0.3188

 34.9178, 0.3004,
0.3114


223.5890, 0.3061,
0.3195

 23.5995, 0.2987,
0.3090

270.7896, 0.3065,
0.3201

 15.0368, 0.2964,
0.3058

324.2052, 0.3069,
0.3206

 8.8452, 0.2932,
0.3014

384.2203, 0.3072,

 4.6404, 0.2886,

0.3211

0.2950

451.2193, 0.3075,
0.3215

■ 2.0378, 0.2810,
0.2847

■ 0.6293, 0.2647,
0.2601

■ 89.2495, 0.3037,
0.3161

■ 89.2495, 0.3037,
0.3161

■ 72.7009, 0.2870,
0.2919

100.0000, 0.3127,
0.3290

■ 58.2920, 0.2687,
0.2647

■ 45.9361, 0.2490,
0.2349

■ 35.5391, 0.2287,
0.2032

■ 26.9996, 0.2085,
0.1708

■ 20.2067, 0.1898,
0.1396

■ 15.0379, 0.1738,
0.1116

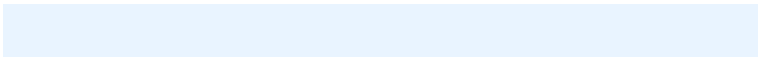
■ 11.3539, 0.1617,
0.0889

■ 8.9909, 0.1543,
0.0729

Harmonies

Analogous

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



89.2495, 0.2991, 0.3182



89.2495, 0.3037, 0.3161



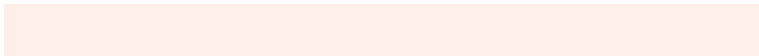
89.2495, 0.3107, 0.3174

Triad

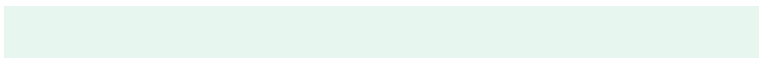
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2495, 0.3037, 0.3161



89.2495, 0.3275, 0.3345



89.2495, 0.3070, 0.3365

Complementary

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



89.2495, 0.3037, 0.3161



97.8236, 0.3216, 0.3415

Split Complementary

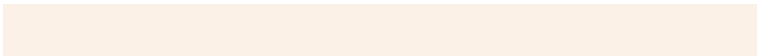
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2495, 0.3146, 0.3410



89.2495, 0.3037, 0.3161



89.2495, 0.3265, 0.3398

Square

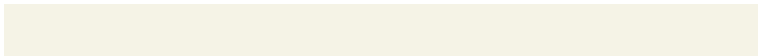
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



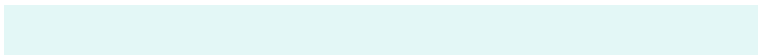
89.2495, 0.3037, 0.3161



89.2495, 0.3245, 0.3280



89.2495, 0.3217, 0.3422



89.2495, 0.3011, 0.3299

Rectangle

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



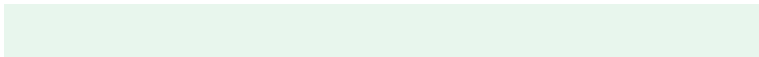
89.2495, 0.3037, 0.3161



89.2495, 0.3159, 0.3200



89.2495, 0.3217, 0.3422



89.2495, 0.3095, 0.3383

Sweetspot

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



89.2507, 0.3037, 0.3161



96.2517, 0.3097, 0.3247



97.1419, 0.3047, 0.3309



20.6411, 0.3099, 0.3249



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.



89.2507, 0.3037, 0.3161



87.2742, 0.3019, 0.3136



89.0612, 0.3073, 0.3143



18.4564, 0.3010, 0.3122



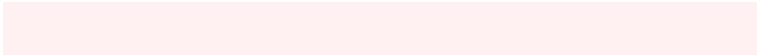
4.4737, 0.1528, 0.0699



0.5492, 0.1571, 0.0855

Inverse Universe

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



90.0061, 0.3214, 0.3271



88.1766, 0.3232, 0.3267



98.0463, 0.3180, 0.3436



18.6664, 0.3242, 0.3265



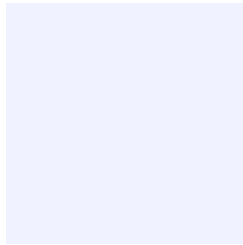
11.1796, 0.6235, 0.3208



1.1000, 0.5982, 0.3069

Previews

White Background



This preview shows how the Yxy color 89.2495, 0.3037, 0.3161 looks on a white background.

Color Contrast Check

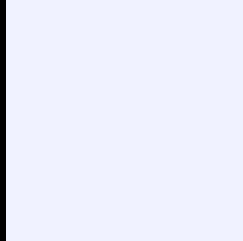
Large Text (above 18pt) WCAG AA × Fail

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 89.2495, 0.3037, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

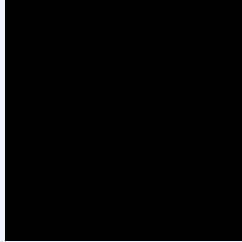
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.2495, 0.3037, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 89.2495, 0.3037, 0.3161.



This preview shows how white text looks on a background with the Yxy color 89.2495, 0.3037, 0.3161.

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

89.2495, 0.3037, 0.3161

Protanopia

89.1210, 0.3062, 0.3162

Deuteranopia

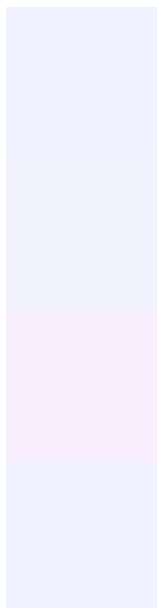
88.9202, 0.3148, 0.3136



Tritanopia

89.4250, 0.3043, 0.3162

Trichromacy



Original Color

89.2495, 0.3037, 0.3161

Protanomaly

88.9436, 0.3056, 0.3162

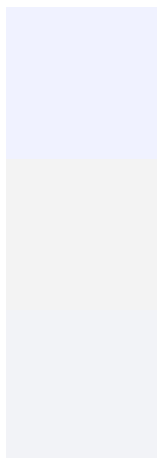
Deuteranomaly

89.2128, 0.3108, 0.3144

Tritanomaly

89.4250, 0.3043, 0.3162

Monochromacy



Original Color

89.2495, 0.3037, 0.3161

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.6938, 0.3097, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2495, 0.3037, 0.3161 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 $rgb(240, 242, 255)$ looks like.

```
.text, #text, p{  
    color:rgb(240, 242, 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(240, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 242, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.2495, 0.3037, 0.3161 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(240, 242, 255) }
```

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

```
.border{ border-color:rgb(240, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 242,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2495, 0.3037, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 242, 255) }
```

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

```
.background{ background-color: rgb(240,  
242, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor