

Converting Colors

$Yxy(90.5678, 0.2802, 0.2794)$

Have a look what the booklet for
Yxy(90.5678, 0.2802, 0.2794)
contains.

Yxy(87.9635, 0.3012, 0.3150)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.9635, 0.3012, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	ECF1FF
RGB	236, 241, 255
RGB Percent	93%, 95%, 100%
CMY	0.0744, 0.0549, 0.0000
CMYK	0.07, 0.05, 0.00, 0.00
HSL	224°, 100%, 96%
HSV	224°, 7%, 100%
XYZ	84.1099, 87.9635, 107.1758
YIQ	241.1010, -7.4740, 3.2940

Conversions

Conversions Part 2

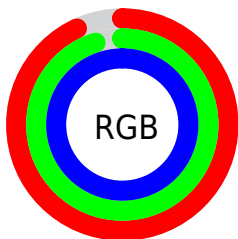
Format	Color
R _Y B	236, 240, 255
Decimal	15528447
CIE Lab	95.15, 0.96, -7.32
CIE LCh	95, 7.382, 277.466
Yxy	87.9635, 0.3012, 0.3150
Android (android.graphics.Color)	4293718527 (0xFFECEF1FF)
YUV	241.1010, 6.8522, -4.4736
Hunter-Lab	93.7889, -4.0517, -2.1006

Details

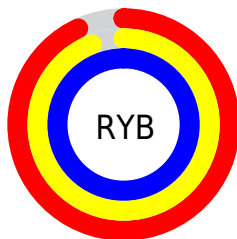
The Yxy color **87.9635, 0.3012, 0.3150** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95.7186, 0.3242, 0.3426**, and the grayscale version is **88.0011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4784, 0.2988, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **73.3250, 0.2846, 0.2941**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

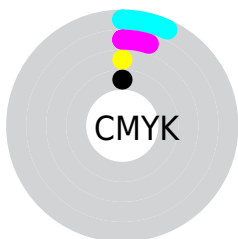
Distribution



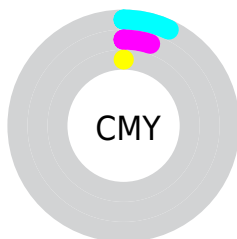
- Red (93%)
- Green (95%)
- Blue (100%)



- Red (93%)
- Yellow (94%)
- Blue (100%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9635, 0.3012, 0.3150 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 87.9635, 0.3012, 0.3150 by changing the saturation by 10% instead.


 87.9635, 0.3012,
0.3150

 87.9635, 0.3012,
0.3150


521.3837, 0.3064,
0.3212

 66.2928, 0.3001,
0.3136


144.5063, 0.3030,
0.3171

 48.5102, 0.2987,
0.3120


180.1473, 0.3036,
0.3180

 34.2311, 0.2970,
0.3099


221.2138, 0.3042,
0.3187

 23.0712, 0.2948,
0.3072

268.0903, 0.3048,
0.3193

 14.6461, 0.2918,
0.3037

321.1612, 0.3052,
0.3199

 8.5714, 0.2878,
0.2989

380.8107, 0.3056,

 4.4627, 0.2818,

0.3204

0.2917

447.4234, 0.3060,
0.3208

■ 1.9356, 0.2721,
0.2802

■ 0.5696, 0.2481,
0.2502

■ 87.9635, 0.3012,
0.3150

■ 87.9635, 0.3012,
0.3150

■ 73.3250, 0.2846,
0.2941

100.0000, 0.3127,
0.3290

■ 60.4000, 0.2668,
0.2708

■ 49.1255, 0.2481,
0.2453

■ 39.4326, 0.2291,
0.2180

■ 31.2473, 0.2106,
0.1897

■ 24.4890, 0.1935,
0.1615

■ 19.0693, 0.1787,
0.1350

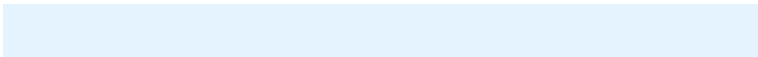
■ 14.8881, 0.1672,
0.1115

■ 11.8256, 0.1594,
0.0923

Harmonies

Analogous

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



87.9635, 0.2971, 0.3182



87.9635, 0.3012, 0.3150



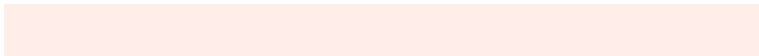
87.9635, 0.3084, 0.3155

Triad

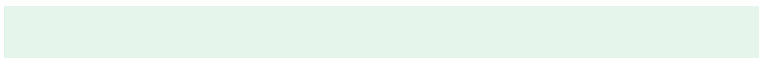
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9635, 0.3012, 0.3150



87.9635, 0.3286, 0.3334



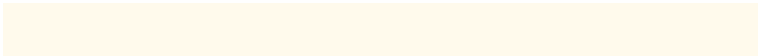
87.9635, 0.3084, 0.3388

Complementary

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



87.9635, 0.3012, 0.3150



95.7186, 0.3242, 0.3426

Split Complementary

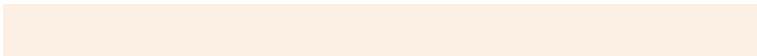
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.9635, 0.3169, 0.3429



87.9635, 0.3012, 0.3150



87.9635, 0.3286, 0.3397

Square

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



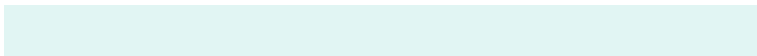
87.9635, 0.3012, 0.3150



87.9635, 0.3243, 0.3260



87.9635, 0.3243, 0.3432



87.9635, 0.3012, 0.3319

Rectangle

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



87.9635, 0.3012, 0.3150



87.9635, 0.3141, 0.3179



87.9635, 0.3243, 0.3432



87.9635, 0.3112, 0.3405

Sweetspot

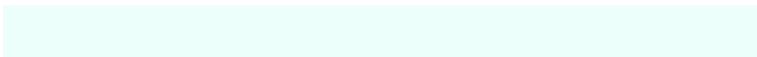
The Sweet Spot groups the original color and five complimentary colors.



87.9654, 0.3012, 0.3150



96.6651, 0.3097, 0.3254



96.2581, 0.3040, 0.3340



20.7253, 0.3098, 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.



87.9654, 0.3012, 0.3150



85.5597, 0.2987, 0.3119



85.8396, 0.3041, 0.3102



18.1492, 0.2979, 0.3109



6.0505, 0.1586, 0.0908



0.7576, 0.1644, 0.1119

Inverse Universe

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



87.6236, 0.3223, 0.3242



85.1771, 0.3246, 0.3232



98.0089, 0.3210, 0.3475



18.0650, 0.3253, 0.3228



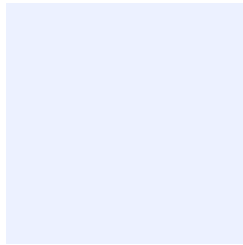
11.3388, 0.5900, 0.3024



1.1210, 0.5583, 0.2849

Previews

White Background



This preview shows how the Yxy color 87.9635, 0.3012, 0.3150 looks on a white background.

Color Contrast Check

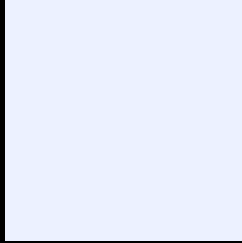
Large Text (above 18pt) WCAG AA × Fail

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 87.9635, 0.3012, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

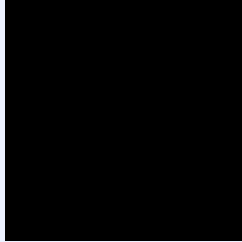
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

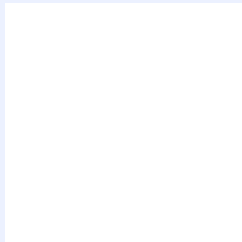
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9635, 0.3012, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 87.9635, 0.3012, 0.3150.



This preview shows how white text looks on a background with the Yxy color 87.9635, 0.3012, 0.3150.

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

87.9635, 0.3012, 0.3150

Protanopia

87.5895, 0.3050, 0.3142

Deuteranopia

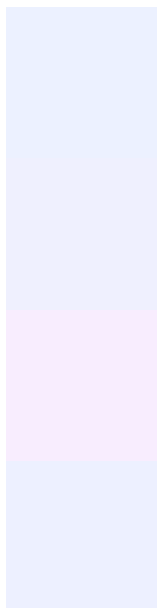
87.8324, 0.3142, 0.3107



Tritanopia

87.7173, 0.3025, 0.3141

Trichromacy



Original Color

87.9635, 0.3012, 0.3150

Protanomaly

87.8267, 0.3037, 0.3151

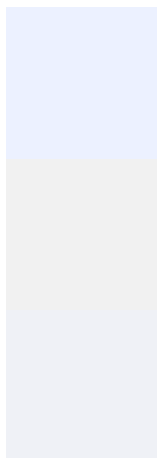
Deuteranomaly

87.6806, 0.3096, 0.3124

Tritanomaly

87.5447, 0.3018, 0.3141

Monochromacy



Original Color

87.9635, 0.3012, 0.3150

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

87.9151, 0.3084, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9635, 0.3012, 0.3150 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(236, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 241, 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(236, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 241, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.9635, 0.3012, 0.3150 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(236, 241, 255) }
```

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

```
.border{ border-color:rgb(236, 241, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 241,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9635, 0.3012, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 241, 255) }
```

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

```
.background{ background-color: rgb(236,  
241, 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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