

Converting Colors

Yxy(88.2113, 0.2987, 0.3165)

Have a look what the booklet for
Yxy(88.2113, 0.2987, 0.3165)
contains.

Yxy(88.4770, 0.2987, 0.3170)	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(88.4770, 0.2987, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	E8F3FF
RGB	232, 243, 255
RGB Percent	91%, 95%, 100%
CMY	0.0903, 0.0470, 0.0001
CMYK	0.09, 0.05, 0.00, 0.00
HSL	211°, 100%, 95%
HSV	211°, 9%, 100%
XYZ	83.3693, 88.4770, 107.2609
YIQ	241.0790, -10.4080, 1.4000

Conversions

Conversions Part 2

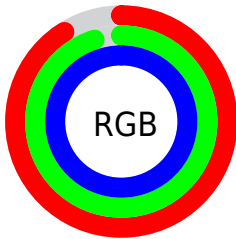
Format	Color
R _Y B	232, 239, 255
Decimal	15266815
CIE Lab	95.36, -1.38, -7.00
CIE LCh	95, 7.135, 258.814
Yxy	88.4770, 0.2987, 0.3170
Android (android.graphics.Color)	4293456895 (0xFFE8F3FF)
YUV	241.0790, 6.8631, -7.9623
Hunter-Lab	94.0622, -6.4005, -1.7660

Details

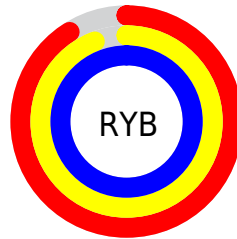
The Yxy color **88.4770, 0.2987, 0.3170** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.7377, 0.3273, 0.3407**, and the grayscale version is **87.9783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.8480, 0.2956, 0.3148** is the 20% darker color. If you saturate the color by 10%, you get **76.8691, 0.2825, 0.3022**, and if you desaturate by 10%, it is **99.9978, 0.3127, 0.3290**.

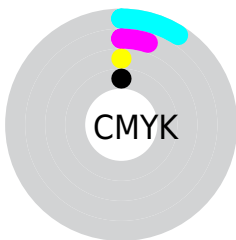
Distribution



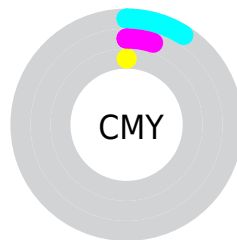
- Red (91%)
- Green (95%)
- Blue (100%)



- Red (91%)
- Yellow (94%)
- Blue (100%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4770, 0.2987, 0.3170 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 88.4770, 0.2987, 0.3170 by changing the saturation by 10% instead.

88.4770, 0.2987,
0.3170

88.4770, 0.2987,
0.3170

523.0640, 0.3049,
0.3224

66.7182, 0.2973,
0.3158

145.2211, 0.3008,
0.3188

48.8556, 0.2957,
0.3144

180.9751, 0.3017,
0.3196

34.5050, 0.2936,
0.3126

222.1630, 0.3024,
0.3202

23.2818, 0.2909,
0.3103

269.1691, 0.3030,
0.3207

14.8017, 0.2874,
0.3072

322.3779, 0.3036,
0.3212

8.6804, 0.2826,
0.3030

382.1737, 0.3041,

4.5333, 0.2755,

0.3216

0.2967

448.9410, 0.3045,
0.3220

■ 1.9761, 0.2640,
0.2865

■ 0.5935, 0.2337,
0.2615

■ 88.4770, 0.2987,
0.3170

■ 88.4770, 0.2987,
0.3170

■ 76.8691, 0.2825,
0.3022

99.9978, 0.3127,
0.3290

■ 66.4107, 0.2659,
0.2858

■ 57.0646, 0.2492,
0.2680

■ 48.7873, 0.2329,
0.2489

■ 41.5317, 0.2175,
0.2288

■ 35.2463, 0.2035,
0.2082

■ 29.8738, 0.1916,
0.1878

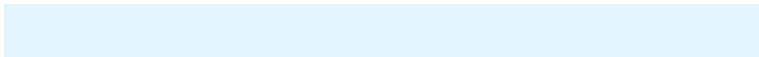
■ 25.3481, 0.1821,
0.1680

■ 21.5783, 0.1750,
0.1496

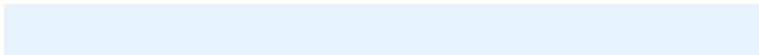
Harmonies

Analogous

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



88.4770, 0.2972, 0.3220



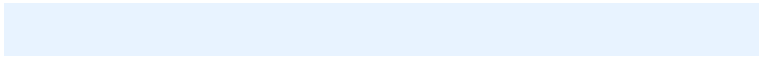
88.4770, 0.2987, 0.3170



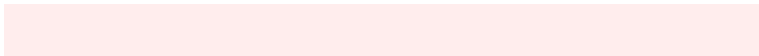
88.4770, 0.3040, 0.3153

Triad

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



88.4770, 0.2987, 0.3170



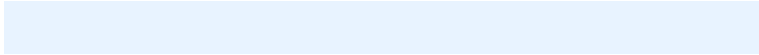
88.4770, 0.3259, 0.3288



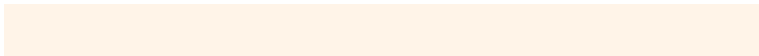
88.4770, 0.3137, 0.3413

Complementary

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



88.4770, 0.2987, 0.3170



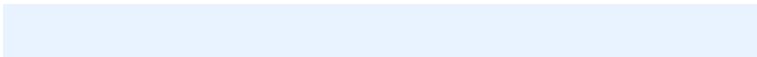
91.7377, 0.3273, 0.3407

Split Complementary

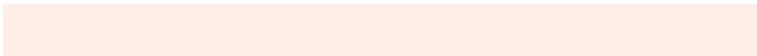
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4770, 0.3214, 0.3431



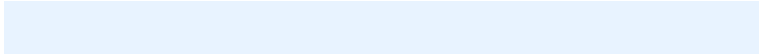
88.4770, 0.2987, 0.3170



88.4770, 0.3286, 0.3357

Square

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



88.4770, 0.2987, 0.3170



88.4770, 0.3197, 0.3220



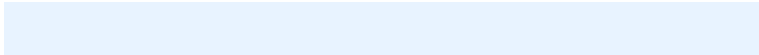
88.4770, 0.3269, 0.3410



88.4770, 0.3057, 0.3361

Rectangle

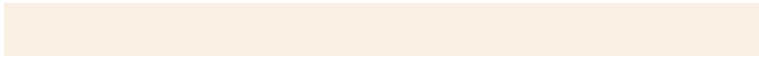
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.4770, 0.2987, 0.3170



88.4770, 0.3089, 0.3161



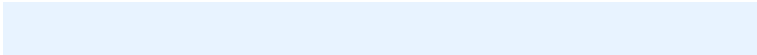
88.4770, 0.3269, 0.3410



88.4770, 0.3164, 0.3423

Sweetspot

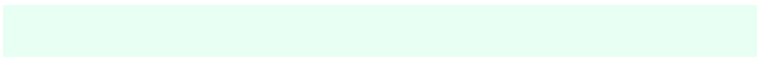
The Sweet Spot groups the original color and five complimentary colors.



88.4807, 0.2987, 0.3170



96.0665, 0.3081, 0.3251



95.1733, 0.3049, 0.3401



20.3411, 0.3069, 0.3241



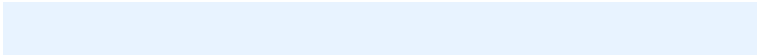
0.0000, 0.0000, 0.0000



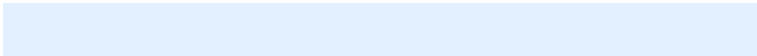
21.4041, 0.3127, 0.3290

Same Dimension

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



88.4807, 0.2987, 0.3170



86.1088, 0.2955, 0.3142



82.1364, 0.2989, 0.3058



18.8168, 0.2979, 0.3163



11.3959, 0.1752, 0.1508



1.3269, 0.1811, 0.1719

Inverse Universe

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



85.4274, 0.3213, 0.3182



82.4869, 0.3234, 0.3158



98.5039, 0.3259, 0.3513



18.1324, 0.3219, 0.3176



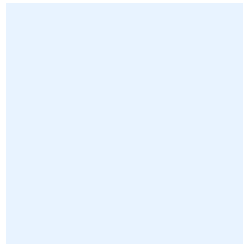
11.8784, 0.5049, 0.2555



1.1785, 0.4784, 0.2409

Previews

White Background



This preview shows how the Yxy color 88.4770, 0.2987, 0.3170 looks on a white background.

Color Contrast Check

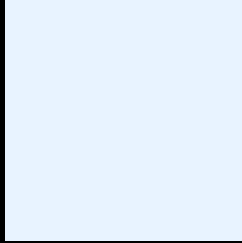
Large Text (above 18pt) WCAG AA × Fail

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 88.4770, 0.2987, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

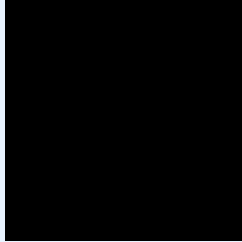
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

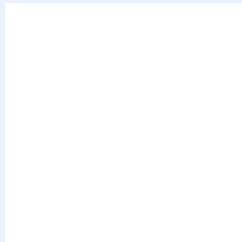
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.4770, 0.2987, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 88.4770, 0.2987, 0.3170.



This preview shows how white text looks on a background with the Yxy color 88.4770, 0.2987, 0.3170.

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

88.4770, 0.2987, 0.3170

Protanopia

88.2893, 0.3062, 0.3162

Deuteranopia

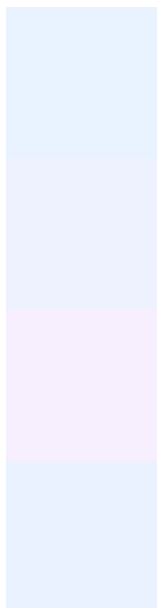
88.4067, 0.3142, 0.3117



Tritanopia

88.5571, 0.3012, 0.3160

Trichromacy



Original Color

88.4770, 0.2987, 0.3170

Protanomaly

88.2435, 0.3030, 0.3161

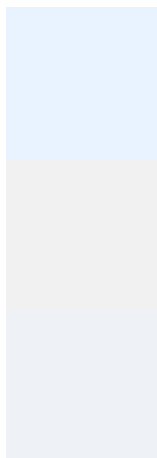
Deuteranomaly

88.6629, 0.3088, 0.3143

Tritanomaly

88.3864, 0.3006, 0.3160

Monochromacy



Original Color

88.4770, 0.2987, 0.3170

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.3352, 0.3077, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.4770, 0.2987, 0.3170 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(232, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 243, 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(232, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 88.4770, 0.2987, 0.3170 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(232, 243, 255) }
```

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

```
.border{ border-color:rgb(232, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 88.4770, 0.2987, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 243, 255) }
```

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

```
.background{ background-color: rgb(232,  
243, 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