

Converting Colors

$Yxy(87.8913, 0.3152, 0.3473)$

Have a look what the booklet for
Yxy(87.8913, 0.3152, 0.3473)
contains.

Yxy(88.0067, 0.3151, 0.3475)	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(88.0067, 0.3151, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	E8F5E3
RGB	232, 245, 227
RGB Percent	91%, 96%, 89%
CMY	0.0901, 0.0392, 0.1098
CMYK	0.05, 0.00, 0.07, 0.04
HSL	103°, 47%, 93%
HSV	103°, 7%, 96%
XYZ	79.8012, 88.0067, 85.4488
YIQ	239.0610, -1.9700, -8.3540

Conversions

Conversions Part 2

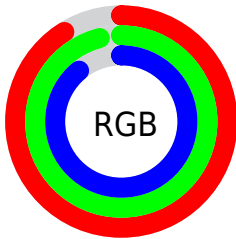
Format	Color
R_{YB}	227, 245, 240
Decimal	15267299
CIE Lab	95.16, -7.46, 7.18
CIE LCh	95, 10.356, 136.083
Yxy	88.0067, 0.3151, 0.3475
Android (android.graphics.Color)	4293457379 (0xFFE8F5E3)
YUV	239.0610, -5.9461, -6.1925
Hunter-Lab	93.8119, -12.3296, 11.6639

Details

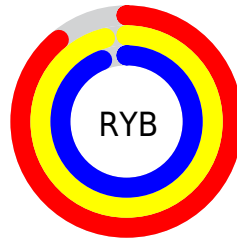
The Yxy color **88.0067, 0.3151, 0.3475** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.0476, 0.3101, 0.3108**, and the grayscale version is **86.4196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6039, 0.3150, 0.3515** is the 20% darker color. If you saturate the color by 10%, you get **83.9444, 0.3182, 0.3751**, and if you desaturate by 10%, it is **92.5659, 0.3118, 0.3227**.

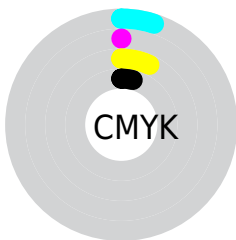
Distribution



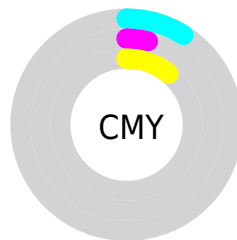
- Red (91%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (94%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




- Cyan (9%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.0067, 0.3151, 0.3475 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 88.0067, 0.3151, 0.3475 by changing the saturation by 10% instead.


 88.0067, 0.3151,
0.3475

 88.0067, 0.3151,
0.3475


521.5252, 0.3141,
0.3391

 66.3286, 0.3153,
0.3494


144.5665, 0.3148,
0.3446

 48.5392, 0.3156,
0.3517


180.2170, 0.3146,
0.3435

 34.2541, 0.3159,
0.3545


221.2937, 0.3145,
0.3425

 23.0889, 0.3163,
0.3582

268.1811, 0.3144,
0.3417

 14.6591, 0.3167,
0.3632

321.2636, 0.3143,
0.3409

 8.5805, 0.3174,
0.3702

380.9255, 0.3142,

 4.4686, 0.3182,

0.3403

0.3808

447.5512, 0.3142,
0.3397

■ 1.9390, 0.3192,
0.3986

■ 0.5717, 0.3430,
0.5428

■ 88.0067, 0.3151,
0.3475

■ 88.0067, 0.3151,
0.3475

■ 83.9444, 0.3182,
0.3751

■ 92.5659, 0.3118,
0.3227

■ 80.3508, 0.3210,
0.4053

■ 93.7847, 0.3132,
0.3194

■ 77.2120, 0.3232,
0.4374

■ 74.5089, 0.3246,
0.4706

■ 72.2212, 0.3248,
0.5030

■ 70.3268, 0.3237,
0.5330

■ 68.8012, 0.3212,
0.5582

■ 67.6170, 0.3174,
0.5770

■ 66.7406, 0.3126,
0.5886

Harmonies

Analogous

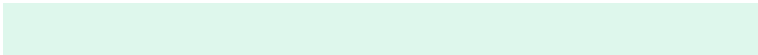
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0067, 0.3262, 0.3495



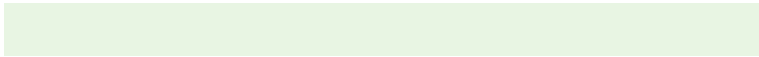
88.0067, 0.3151, 0.3475



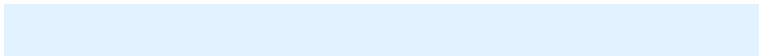
88.0067, 0.3035, 0.3403

Triad

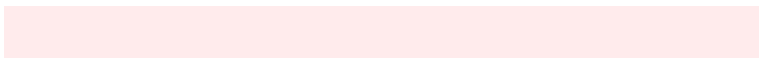
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.0067, 0.3151, 0.3475



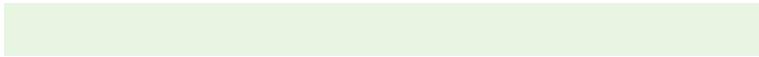
88.0067, 0.2920, 0.3120



88.0067, 0.3313, 0.3277

Complementary

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



88.0067, 0.3151, 0.3475



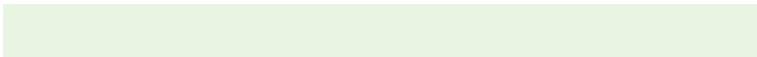
80.0476, 0.3101, 0.3108

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.



88.0067, 0.3218, 0.3181



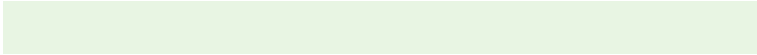
88.0067, 0.3151, 0.3475



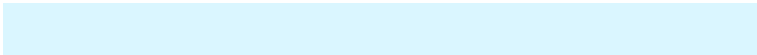
88.0067, 0.2991, 0.3091

Square

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



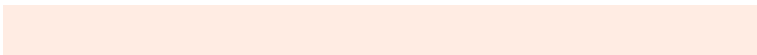
88.0067, 0.3151, 0.3475



88.0067, 0.2903, 0.3196



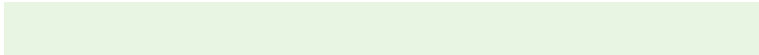
88.0067, 0.3100, 0.3114



88.0067, 0.3357, 0.3378

Rectangle

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



88.0067, 0.3151, 0.3475



88.0067, 0.2970, 0.3335



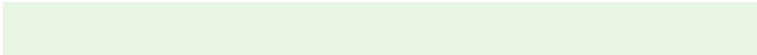
88.0067, 0.3100, 0.3114



88.0067, 0.3286, 0.3243

Sweetspot

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



88.0105, 0.3151, 0.3475



98.9855, 0.3134, 0.3339



87.2185, 0.3241, 0.3420



21.1976, 0.3133, 0.3337



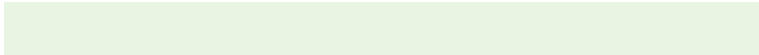
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



88.0105, 0.3151, 0.3475



95.6063, 0.3156, 0.3519



87.3984, 0.3095, 0.3436



18.6961, 0.3158, 0.3532



35.9114, 0.3124, 0.5902



3.2057, 0.3213, 0.5831

Inverse Universe

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



80.0476, 0.3101, 0.3108



85.0255, 0.3095, 0.3066



80.7044, 0.3161, 0.3149



16.5220, 0.3093, 0.3054



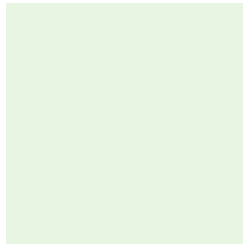
8.6314, 0.2512, 0.1157



0.8100, 0.2602, 0.1207

Previews

White Background



This preview shows how the Yxy color 88.0067, 0.3151, 0.3475 looks on a white background.

Color Contrast Check

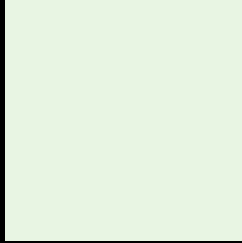
Large Text (above 18pt) WCAG AA × Fail

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 88.0067, 0.3151, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

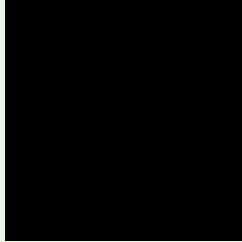
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

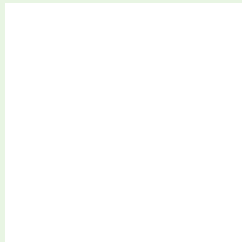
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.0067, 0.3151, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 88.0067, 0.3151, 0.3475.

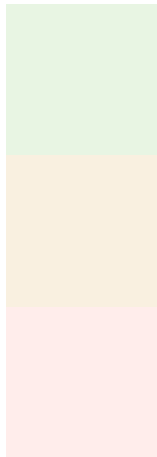


This preview shows how white text looks on a background with the Yxy color 88.0067, 0.3151, 0.3475.

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

88.0067, 0.3151, 0.3475

Protanopia

87.8417, 0.3287, 0.3450

Deuteranopia

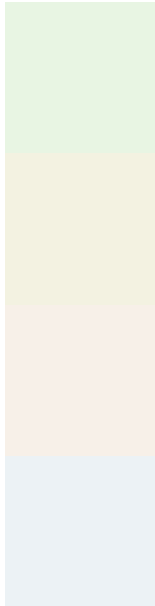
87.8265, 0.3261, 0.3310



Tritanopia

87.7173, 0.3025, 0.3141

Trichromacy



Original Color

88.0067, 0.3151, 0.3475

Protanomaly

87.9952, 0.3238, 0.3462

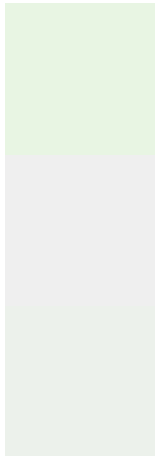
Deuteranomaly

87.9205, 0.3223, 0.3370

Tritanomaly

87.9297, 0.3070, 0.3260

Monochromacy



Original Color

88.0067, 0.3151, 0.3475

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.7416, 0.3131, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.0067, 0.3151, 0.3475 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, 245, 227)` looks like.

```
.text, #text, p{  
    color:rgb(232, 245, 227)  
}
```

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, 245, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 245, 227) }
```

Border

The CSS property to change the border of an element to Yxy 88.0067, 0.3151, 0.3475 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, 245, 227) }
```

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

```
.border{ border-color:rgb(232, 245, 227) }
```

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

Here you see how a box with a 4 pixel rgb(232, 245, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 245, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 245, 227);  
box-shadow:4px 4px 4px 4px rgb(232, 245,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 88.0067, 0.3151, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 245, 227) }
```

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

```
.background{ background-color: rgb(232,  
245, 227) }
```

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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