

Converting Colors

$Yxy(87.0290, 0.3166, 0.3625)$

Have a look what the booklet for
Yxy(87.0290, 0.3166, 0.3625)
contains.

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Color

Yxy(87.1158, 0.3163, 0.3627)

Conversions

Conversions Part 1

Format	Color
Hex	DFF7D7
RGB	223, 247, 215
RGB Percent	87%, 97%, 84%
CMY	0.1253, 0.0314, 0.1569
CMYK	0.10, 0.00, 0.13, 0.03
HSL	105°, 67%, 91%
HSV	105°, 13%, 97%
XYZ	75.9711, 87.1158, 77.1000
YIQ	236.1760, -4.0320, -15.0400

Conversions

Conversions Part 2

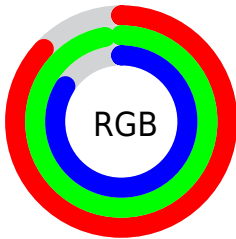
Format	Color
R_{YB}	215, 247, 239
Decimal	14677975
CIE _{Lab}	94.79, -13.51, 12.75
CIE _{LCh}	95, 18.575, 136.655
Yxy	87.1158, 0.3163, 0.3627
Android (android.graphics.Color)	4292868055 (0xFFDFF7D7)
YUV	236.1760, -10.4398, -11.5554
Hunter-Lab	93.3358, -18.0469, 16.3586

Details

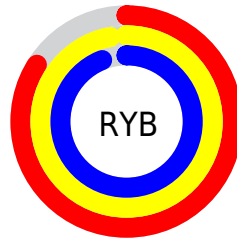
The Yxy color $87.1158, 0.3163, 0.3627$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $73.6548, 0.3085, 0.2964$, and the grayscale version is $84.1155, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $48.1245, 0.3172, 0.3713$ is the 20% darker color. If you saturate the color by 10%, you get $83.1666, 0.3188, 0.3919$, and if you desaturate by 10%, it is $91.5845, 0.3136, 0.3363$.

Distribution



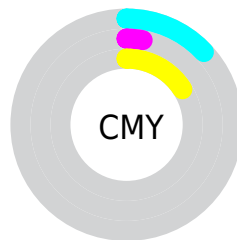
- Red (87%)
- Green (97%)
- Blue (84%)



- Red (84%)
- Yellow (97%)
- Blue (94%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)





- Cyan (13%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1158, 0.3163, 0.3627 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 87.1158, 0.3163, 0.3627 by changing the saturation by 10% instead.


 87.1158, 0.3163,
0.3627

 87.1158, 0.3163,
0.3627

518.6033, 0.3149,
0.3473

 65.5910, 0.3166,
0.3662

143.3255, 0.3158,
0.3574

 47.9405, 0.3169,
0.3705

178.7793, 0.3156,
0.3553

 33.7798, 0.3173,
0.3759


219.6449, 0.3155,
0.3535

 22.7245, 0.3177,
0.3829

266.3066, 0.3153,
0.3519

 14.3902, 0.3182,
0.3923

319.1489, 0.3152,
0.3506

 8.3925, 0.3186,
0.4058

378.5562, 0.3151,

 4.3471, 0.3188,

0.3493

0.4264

444.9129, 0.3150,
0.3483

■ 1.8696, 0.3181,
0.4618

■ 0.5300, 0.2471,
0.7529

■ 87.1158, 0.3163,
0.3627

■ 87.1158, 0.3163,
0.3627

■ 83.1666, 0.3188,
0.3919

■ 91.5845, 0.3136,
0.3363

■ 79.7068, 0.3209,
0.4236

■ 94.9958, 0.3131,
0.3214

■ 76.7202, 0.3223,
0.4568

■ 74.1854, 0.3227,
0.4901

■ 72.0793, 0.3220,
0.5218

■ 70.3765, 0.3200,
0.5496

■ 69.0487, 0.3167,
0.5715

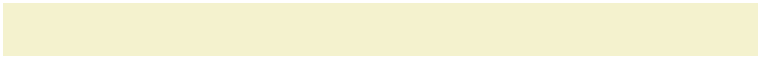
■ 68.0633, 0.3125,
0.5862

■ 67.5471, 0.3093,
0.5926

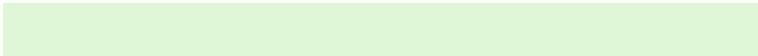
Harmonies

Analogous

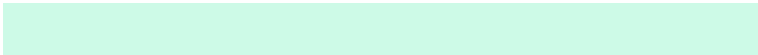
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1158, 0.3365, 0.3662



87.1158, 0.3163, 0.3627



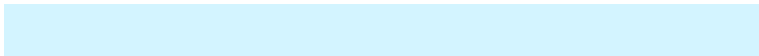
87.1158, 0.2956, 0.3492

Triad

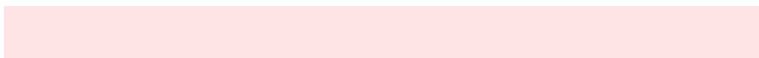
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1158, 0.3163, 0.3627



87.1158, 0.2759, 0.2982



87.1158, 0.3465, 0.3267

Complementary

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



87.1158, 0.3163, 0.3627



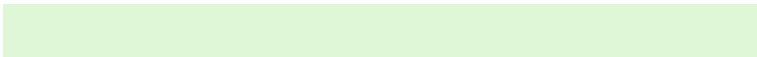
73.6548, 0.3085, 0.2964

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.



87.1158, 0.3293, 0.3099



87.1158, 0.3163, 0.3627



87.1158, 0.2886, 0.2937

Square

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



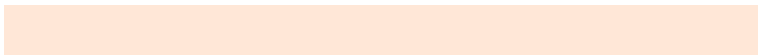
87.1158, 0.3163, 0.3627



87.1158, 0.2728, 0.3112



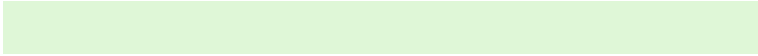
87.1158, 0.3080, 0.2980



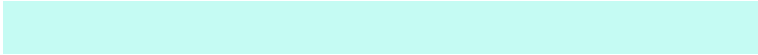
87.1158, 0.3544, 0.3445

Rectangle

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



87.1158, 0.3163, 0.3627



87.1158, 0.2843, 0.3366



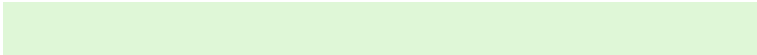
87.1158, 0.3080, 0.2980



87.1158, 0.3416, 0.3208

Sweetspot

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



87.1195, 0.3163, 0.3627



97.9418, 0.3138, 0.3389



86.0960, 0.3333, 0.3528



20.8829, 0.3141, 0.3408



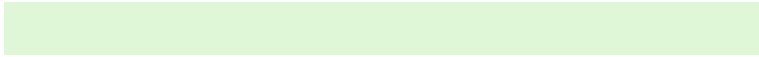
0.0000, 0.0000, 0.0000



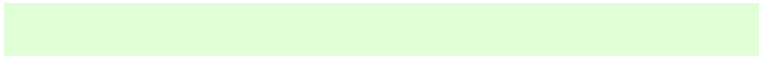
21.4041, 0.3127, 0.3290

Same Dimension

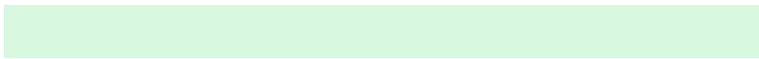
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1195, 0.3163, 0.3627



92.3091, 0.3171, 0.3714



86.2618, 0.3068, 0.3551



18.6737, 0.3154, 0.3532



35.7829, 0.3103, 0.5919



3.1918, 0.3188, 0.5850

Inverse Universe

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



73.6548, 0.3085, 0.2964



74.7769, 0.3074, 0.2884



74.6368, 0.3193, 0.3043



16.5459, 0.3097, 0.3054



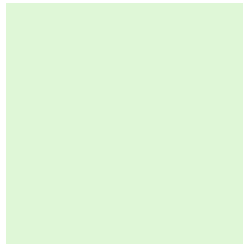
9.0625, 0.2579, 0.1194



0.8449, 0.2661, 0.1239

Previews

White Background



This preview shows how the Yxy color 87.1158, 0.3163, 0.3627 looks on a white background.

Color Contrast Check

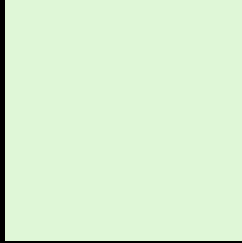
Large Text (above 18pt) WCAG AA × Fail

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 87.1158, 0.3163, 0.3627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

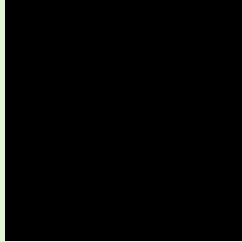
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

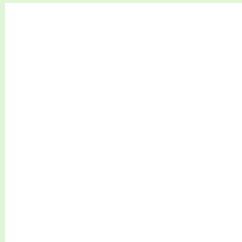
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1158, 0.3163, 0.3627

Background



This preview shows how black text looks on a background with the Yxy color 87.1158, 0.3163, 0.3627.

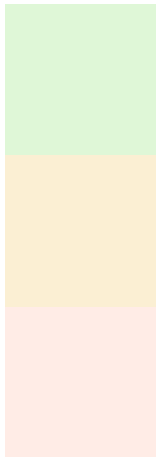


This preview shows how white text looks on a background with the Yxy color 87.1158, 0.3163, 0.3627.

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

87.1158, 0.3163, 0.3627

Protanopia

86.9454, 0.3385, 0.3572

Deuteranopia

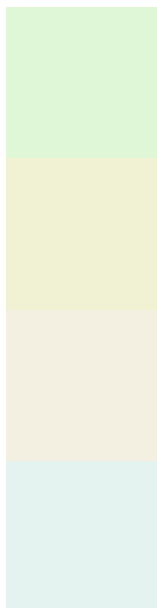
86.9641, 0.3294, 0.3350



Tritanopia

86.6960, 0.2987, 0.3139

Trichromacy



Original Color

87.1158, 0.3163, 0.3627

Protanomaly

86.9585, 0.3306, 0.3597

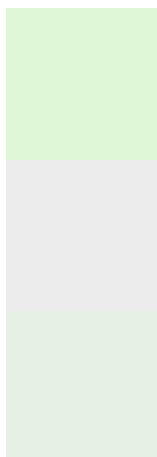
Deuteranomaly

86.8111, 0.3240, 0.3442

Tritanomaly

87.0505, 0.3055, 0.3320

Monochromacy



Original Color

87.1158, 0.3163, 0.3627

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.9105, 0.3141, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1158, 0.3163, 0.3627 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(223, 247, 215)` looks like.

```
.text, #text, p{  
    color:rgb(223, 247, 215)  
}
```

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(223, 247, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 215) }
```

Border

The CSS property to change the border of an element to Yxy 87.1158, 0.3163, 0.3627 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(223, 247, 215) }
```

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

```
.border{ border-color:rgb(223, 247, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 247, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 247, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 247, 215);  
box-shadow:4px 4px 4px 4px rgb(223, 247,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1158, 0.3163, 0.3627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 247, 215) }
```

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

```
.background{ background-color: rgb(223,  
247, 215) }
```

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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