

Converting Colors

Yxy(87.4030, 0.3144, 0.3602)

Have a look what the booklet for
Yxy(87.4030, 0.3144, 0.3602)
contains.

Yxy(87.2715, 0.3145, 0.3595)	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(87.2715, 0.3145, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	DFF7DA
RGB	223, 247, 218
RGB Percent	87%, 97%, 85%
CMY	0.1254, 0.0314, 0.1452
CMYK	0.10, 0.00, 0.12, 0.03
HSL	110°, 64%, 91%
HSV	110°, 12%, 97%
XYZ	76.3474, 87.2715, 79.1391
YIQ	236.5180, -4.9950, -14.1070

Conversions

Conversions Part 2

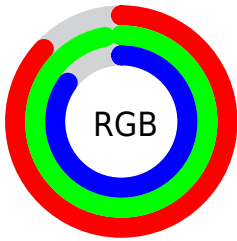
Format	Color
R _Y B	218, 247, 242
Decimal	14677978
CIE Lab	94.85, -13.03, 11.31
CIE LCh	95, 17.249, 139.049
Yxy	87.2715, 0.3145, 0.3595
Android (android.graphics.Color)	4292868058 (0xFFDFF7DA)
YUV	236.5180, -9.1294, -11.8553
Hunter-Lab	93.4192, -17.6035, 15.1666

Details

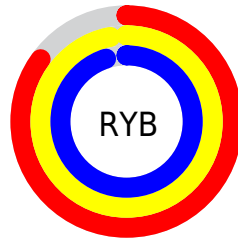
The Yxy color **87.2715, 0.3145, 0.3595** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **75.7242, 0.3106, 0.2997**, and the grayscale version is **84.3754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2308, 0.3150, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **83.0261, 0.3158, 0.3888**, and if you desaturate by 10%, it is **92.1084, 0.3130, 0.3333**.

Distribution



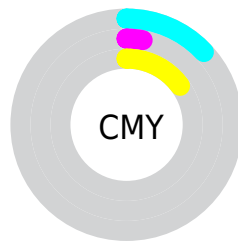
- Red (87%)
- Green (97%)
- Blue (85%)



- Red (85%)
- Yellow (97%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (3%)





- Cyan (13%)
- Magenta (3%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2715, 0.3145, 0.3595 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 87.2715, 0.3145, 0.3595 by changing the saturation by 10% instead.


 87.2715, 0.3145,
0.3595

 87.2715, 0.3145,
0.3595


519.1146, 0.3138,
0.3456

 65.7199, 0.3146,
0.3626


143.5425, 0.3143,
0.3547

 48.0451, 0.3147,
0.3665

179.0307, 0.3142,
0.3528

 33.8626, 0.3149,
0.3714

219.9332, 0.3141,
0.3512

 22.7880, 0.3150,
0.3777

266.6345, 0.3141,
0.3498

 14.4371, 0.3151,
0.3862

319.5189, 0.3140,
0.3485

 8.4253, 0.3150,
0.3983

378.9707, 0.3139,

 4.3683, 0.3146,

0.3474

0.4169

445.3745, 0.3139,
0.3464

■ 1.8816, 0.3129,
0.4486

■ 0.5373, 0.2639,
0.7361

■ 87.2715, 0.3145,
0.3595

■ 87.2715, 0.3145,
0.3595

■ 83.0261, 0.3158,
0.3888

■ 92.1084, 0.3130,
0.3333

■ 79.3386, 0.3167,
0.4208

■ 95.0044, 0.3131,
0.3214

■ 76.1889, 0.3171,
0.4547

■ 73.5515, 0.3168,
0.4891

■ 71.3987, 0.3156,
0.5220

■ 69.7003, 0.3136,
0.5510

■ 68.4222, 0.3108,
0.5739

■ 67.5254, 0.3074,
0.5892

■ 67.0332, 0.3047,
0.5963

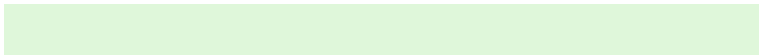
Harmonies

Analogous

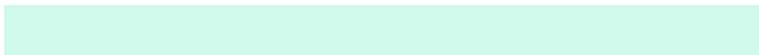
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2715, 0.3335, 0.3636



87.2715, 0.3145, 0.3595



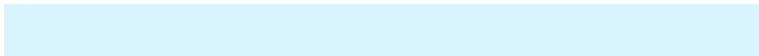
87.2715, 0.2955, 0.3464

Triad

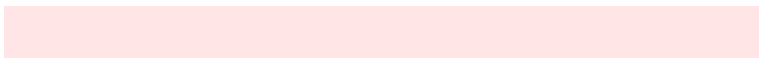
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2715, 0.3145, 0.3595



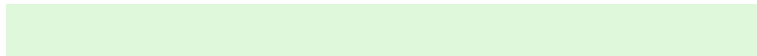
87.2715, 0.2791, 0.2998



87.2715, 0.3450, 0.3282

Complementary

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



87.2715, 0.3145, 0.3595



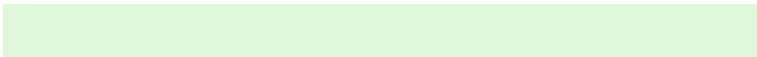
75.7242, 0.3106, 0.2997

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.



87.2715, 0.3296, 0.3124



87.2715, 0.3145, 0.3595



87.2715, 0.2916, 0.2962

Square

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



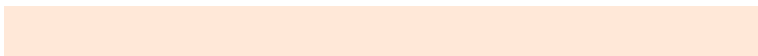
87.2715, 0.3145, 0.3595



87.2715, 0.2754, 0.3114



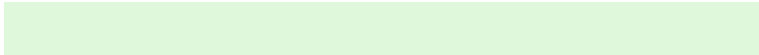
87.2715, 0.3100, 0.3008



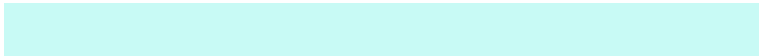
87.2715, 0.3515, 0.3448

Rectangle

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



87.2715, 0.3145, 0.3595



87.2715, 0.2852, 0.3346



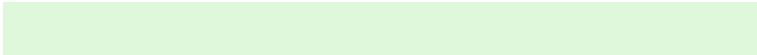
87.2715, 0.3100, 0.3008



87.2715, 0.3407, 0.3227

Sweetspot

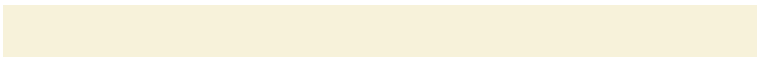
The Sweet Spot groups the original color and five complimentary colors.



87.2752, 0.3145, 0.3595



97.7958, 0.3133, 0.3389



88.1528, 0.3309, 0.3529



20.8461, 0.3135, 0.3408



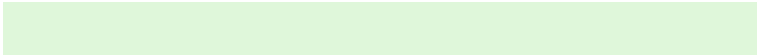
0.0000, 0.0000, 0.0000



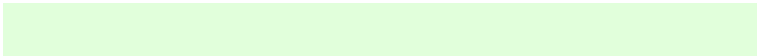
21.4041, 0.3127, 0.3290

Same Dimension

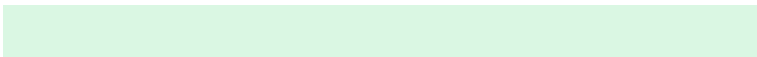
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2752, 0.3145, 0.3595



92.7355, 0.3148, 0.3659



86.9832, 0.3059, 0.3499



18.6099, 0.3142, 0.3533



35.4919, 0.3054, 0.5957



3.1576, 0.3126, 0.5900

Inverse Universe

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



75.7242, 0.3106, 0.2997



78.1459, 0.3101, 0.2938



76.0722, 0.3202, 0.3090



16.6146, 0.3110, 0.3055



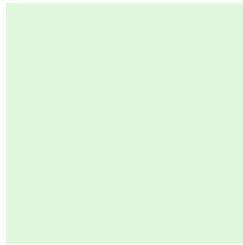
10.4130, 0.2774, 0.1302



0.9526, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 87.2715, 0.3145, 0.3595 looks on a white background.

Color Contrast Check

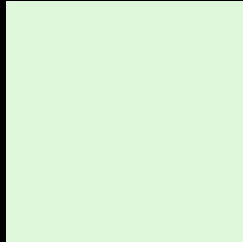
Large Text (above 18pt) WCAG AA × Fail

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 87.2715, 0.3145, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

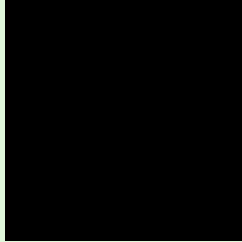
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

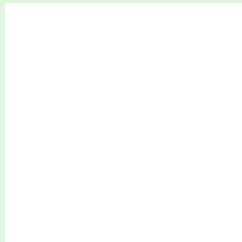
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2715, 0.3145, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 87.2715, 0.3145, 0.3595.

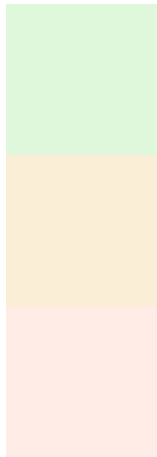


This preview shows how white text looks on a background with the Yxy color 87.2715, 0.3145, 0.3595.

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

87.2715, 0.3145, 0.3595

Protanopia

86.9120, 0.3359, 0.3542

Deuteranopia

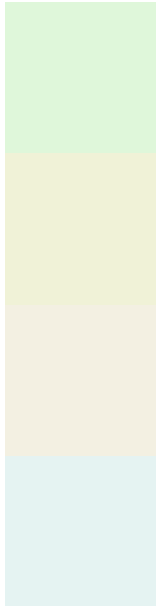
87.0204, 0.3287, 0.3340



Tritanopia

87.2864, 0.2987, 0.3149

Trichromacy



Original Color

87.2715, 0.3145, 0.3595

Protanomaly

86.9358, 0.3280, 0.3567

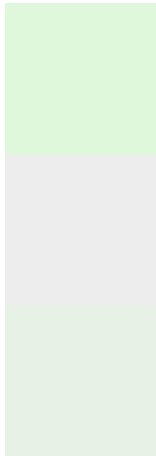
Deuteranomaly

86.8658, 0.3234, 0.3432

Tritanomaly

87.1700, 0.3043, 0.3300

Monochromacy



Original Color

87.2715, 0.3145, 0.3595

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.7796, 0.3135, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2715, 0.3145, 0.3595 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(223, 247, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 218) }
```

Border

The CSS property to change the border of an element to Yxy 87.2715, 0.3145, 0.3595 is called "border". The border property can be set on classes, ids or directly on the HTML element.

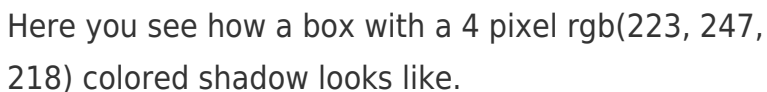
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 247, 218) }
```

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

```
.border{ border-color:rgb(223, 247, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(223, 247, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(223, 247, 218); box-shadow:4px 4px 4px 4px rgb(223, 247, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2715, 0.3145, 0.3595 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, 218) }
```

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

```
.background{ background-color: rgb(223,  
247, 218) }
```

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