

Converting Colors

$Yxy(87.2808, 0.3686, 0.4472)$

Have a look what the booklet for
Yxy(87.2808, 0.3686, 0.4472)
contains.

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Color

Yxy(87.2763, 0.3682, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	E8FA87
RGB	232, 250, 135
RGB Percent	91%, 98%, 53%
CMY	0.0904, 0.0195, 0.4707
CMYK	0.07, 0.00, 0.46, 0.02
HSL	69°, 92%, 75%
HSV	69°, 46%, 98%
XYZ	71.8264, 87.2763, 35.9717
YIQ	231.5080, 26.1870, -39.5810

Conversions

Conversions Part 2

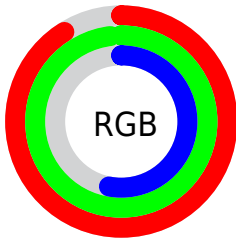
Format	Color
RYB	135, 250, 153
Decimal	15268487
CIELab	94.86, -22.40, 52.87
CIELCh	95, 57.419, 112.960
Yxy	87.2763, 0.3682, 0.4474
Android (android.graphics.Color)	4293458567 (0xFFE8FA87)
YUV	231.5080, -47.5784, 0.4315
Hunter-Lab	93.4218, -26.2502, 42.5658

Details

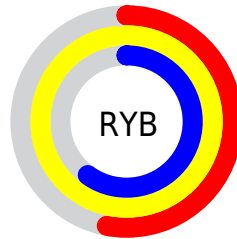
The Yxy color **87.2763, 0.3682, 0.4474** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.9998, 0.2375, 0.1885**, and the grayscale version is **80.6528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **48.3067, 0.3771, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **86.0076, 0.3777, 0.4707**, and if you desaturate by 10%, it is **88.7329, 0.3572, 0.4221**.

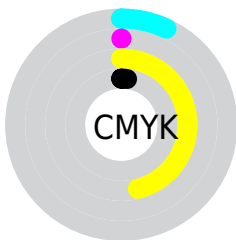
Distribution



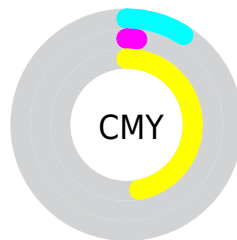
- Red (91%)
- Green (98%)
- Blue (53%)



- Red (53%)
- Yellow (98%)
- Blue (60%)



- Cyan (7%)
- Magenta (0%)
- Yellow (46%)
- Black (2%)




- Cyan (9%)
- Magenta (2%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2763, 0.3682, 0.4474 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 87.2763, 0.3682, 0.4474 by changing the saturation by 10% instead.


 87.2763, 0.3682,
0.4474


 87.2763, 0.3682,
0.4474


519.1304, 0.3458,
0.3935

 65.7239, 0.3724,
0.4591

 143.5492, 0.3612,
0.4291

 48.0483, 0.3769,
0.4732


 179.0385, 0.3582,
0.4219

 33.8651, 0.3819,
0.4904


 219.9421, 0.3556,
0.4156

 22.7900, 0.3869,
0.5115

266.6446, 0.3532,
0.4101

 14.4385, 0.3909,
0.5376

319.5303, 0.3511,
0.4052

 8.4263, 0.3936,
0.5721

378.9835, 0.3491,

 4.3689, 0.3872,

0.4009

445.3887, 0.3474,
0.3970

0.6128

1.8820, 0.3534,
0.6466

0.5375, 0.0000,
1.0000

87.2763, 0.3682,
0.4474

87.2763, 0.3682,
0.4474

86.0076, 0.3777,
0.4707

88.7329, 0.3572,
0.4221

84.9030, 0.3851,
0.4908


90.3763, 0.3451,
0.3957


83.9533, 0.3900,
0.5070


92.2202, 0.3326,
0.3694

83.1426, 0.3922,
0.5185

94.2737, 0.3201,
0.3438

 82.4517, 0.3919,
0.5255

 96.2201, 0.3108,
0.3242

 82.1980, 0.3914,
0.5275

 96.8625, 0.3129,
0.3243

Harmonies

Analogous

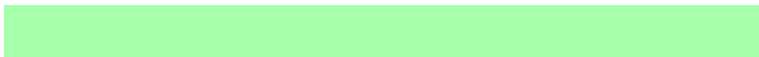
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2763, 0.4191, 0.4220



87.2763, 0.3682, 0.4474



87.2763, 0.3053, 0.4347

Triad

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



87.2763, 0.3682, 0.4474



87.2763, 0.1979, 0.2609



87.2763, 0.3758, 0.2820

Complementary

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



87.2763, 0.3682, 0.4474



30.9998, 0.2375, 0.1885

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.



87.2763, 0.3093, 0.2473



87.2763, 0.3682, 0.4474



87.2763, 0.2119, 0.2330

Square

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



87.2763, 0.3682, 0.4474



87.2763, 0.2098, 0.3138



87.2763, 0.2503, 0.2296



87.2763, 0.4268, 0.3277

Rectangle

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



87.2763, 0.3682, 0.4474



87.2763, 0.2652, 0.4024



87.2763, 0.2503, 0.2296



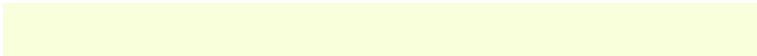
87.2763, 0.3541, 0.2688

Sweetspot

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



87.2802, 0.3682, 0.4474



96.8629, 0.3301, 0.3642



44.6077, 0.4292, 0.3477



20.6376, 0.3328, 0.3698



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

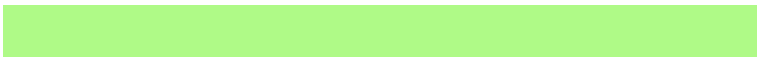
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2802, 0.3682, 0.4474



90.0733, 0.3768, 0.4686



79.2729, 0.3296, 0.4641



20.0447, 0.3244, 0.3526



43.6454, 0.3918, 0.5271



4.0782, 0.3953, 0.5243

Inverse Universe

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



30.9998, 0.2375, 0.1885



24.7230, 0.2197, 0.1578



37.8898, 0.2829, 0.2045



16.7738, 0.3003, 0.3046



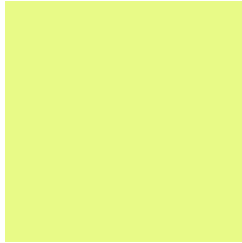
3.9314, 0.1565, 0.0636



0.4011, 0.1658, 0.0687

Previews

White Background



This preview shows how the Yxy color 87.2763, 0.3682, 0.4474 looks on a white background.

Color Contrast Check

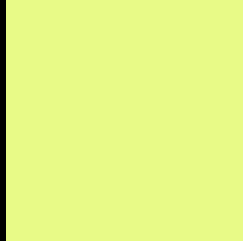
Large Text (above 18pt) WCAG AA × Fail

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 87.2763, 0.3682, 0.4474 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 87.2763, 0.3682, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 87.2763, 0.3682, 0.4474.

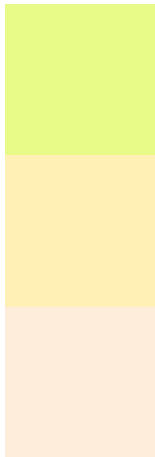


This preview shows how white text looks on a background with the Yxy color 87.2763, 0.3682, 0.4474.

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

87.2763, 0.3682, 0.4474

Protanopia

86.9576, 0.3600, 0.3872

Deuteranopia

86.9428, 0.3364, 0.3469



Tritanopia

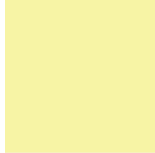
86.8037, 0.3077, 0.3104

Trichromacy



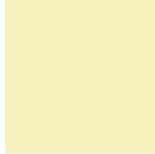
Original Color

87.2763, 0.3682, 0.4474



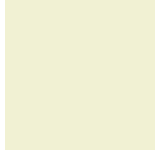
Protanomaly

87.1921, 0.3638, 0.4093



Deuteranomaly

86.9093, 0.3500, 0.3841



Tritanomaly

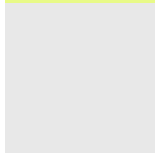
86.3145, 0.3313, 0.3598

Monochromacy



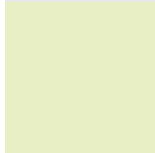
Original Color

87.2763, 0.3682, 0.4474



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.9200, 0.3342, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2763, 0.3682, 0.4474 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, 250, 135)` looks like.

```
.text, #text, p{  
    color:rgb(232, 250, 135)  
}
```

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, 250, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 250, 135) }
```

Border

The CSS property to change the border of an element to Yxy 87.2763, 0.3682, 0.4474 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, 250, 135) }
```

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

```
.border{ border-color:rgb(232, 250, 135) }
```

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

Here you see how a box with a 4 pixel rgb(232, 250, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 250, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 250, 135);  
box-shadow:4px 4px 4px 4px rgb(232, 250,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2763, 0.3682, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 250, 135) }
```

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

```
.background{ background-color: rgb(232,  
250, 135) }
```

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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