

Converting Colors

$Y_{xy}(90.2266, 0.3475, 0.4098)$

Have a look what the booklet for
Yxy(90.2266, 0.3475, 0.4098)
contains.

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Color

Yxy(90.1692, 0.3472, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	EAFCAE
RGB	234, 252, 174
RGB Percent	92%, 99%, 68%
CMY	0.0825, 0.0117, 0.3176
CMYK	0.07, 0.00, 0.31, 0.01
HSL	74°, 93%, 84%
HSV	74°, 31%, 99%
XYZ	76.3765, 90.1692, 53.4328
YIQ	237.7260, 14.3100, -28.0740

Conversions

Conversions Part 2

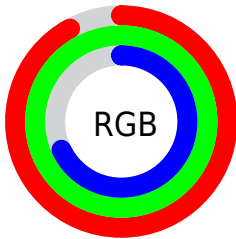
Format	Color
RYB	174, 252, 192
Decimal	15400110
CIELab	96.07, -18.20, 35.47
CIELCh	96, 39.862, 117.165
Yxy	90.1692, 0.3472, 0.4099
Android (android.graphics.Color)	4293590190 (0xFFEAFCAE)
YUV	237.7260, -31.4169, -3.2677
Hunter-Lab	94.9575, -22.6038, 33.1076

Details

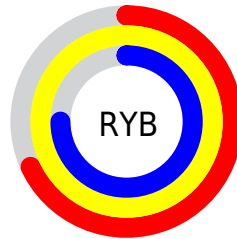
The Yxy color **90.1692, 0.3472, 0.4099** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.5238, 0.2702, 0.2407**, and the grayscale version is **85.5166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **49.7578, 0.3531, 0.4275** is the 20% darker color. If you saturate the color by 10%, you get **88.3102, 0.3574, 0.4368**, and if you desaturate by 10%, it is **92.2531, 0.3362, 0.3828**.

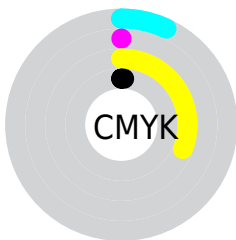
Distribution



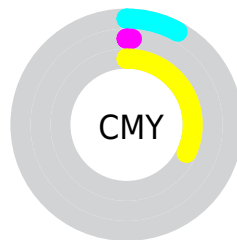
- Red (92%)
- Green (99%)
- Blue (68%)



- Red (68%)
- Yellow (99%)
- Blue (75%)



- Cyan (7%)
- Magenta (0%)
- Yellow (31%)
- Black (1%)





- Cyan (8%)
- Magenta (1%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1692, 0.3472, 0.4099 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 90.1692, 0.3472, 0.4099 by changing the saturation by 10% instead.

 90.1692, 0.3472,
0.4099

 90.1692, 0.3472,
0.4099


528.5811, 0.3327,
0.3730

 68.1210, 0.3501,
0.4181


 147.5734, 0.3425,
0.3972

 49.9962, 0.3535,
0.4282


183.6982, 0.3406,
0.3923

 35.4104, 0.3575,
0.4407


225.2839, 0.3389,
0.3880

 23.9791, 0.3621,
0.4566

272.7150, 0.3374,
0.3842

 15.3182, 0.3673,
0.4774

326.3759, 0.3360,
0.3809

 9.0430, 0.3727,
0.5054

386.6510, 0.3348,

 4.7692, 0.3780,

0.3780

0.5462

453.9246, 0.3337,
0.3753

■ 2.1125, 0.3836,
0.6164

■ 0.6716, 0.2242,
0.7758

■ 90.1692, 0.3472,
0.4099

■ 90.1692, 0.3472,
0.4099

■ 88.3102, 0.3574,
0.4368

■ 92.2531, 0.3362,
0.3828

■ 86.6534, 0.3664,
0.4625

■ 94.5597, 0.3249,
0.3564

■ 85.1911, 0.3736,
0.4859

■ 97.1022, 0.3138,
0.3313

■ 83.9105, 0.3784,
0.5057

■ 98.1087, 0.3128,
0.3262

■ 82.7964, 0.3807,
0.5212

■ 81.8313, 0.3803,
0.5318

■ 81.0608, 0.3782,
0.5379

Harmonies

Analogous

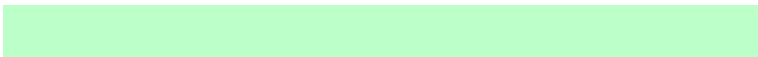
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1692, 0.3838, 0.3989



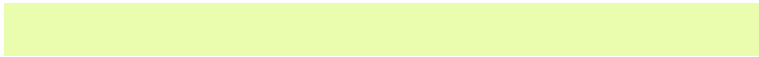
90.1692, 0.3472, 0.4099



90.1692, 0.3030, 0.3954

Triad

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



90.1692, 0.3472, 0.4099



90.1692, 0.2309, 0.2788



90.1692, 0.3622, 0.3005

Complementary

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



90.1692, 0.3472, 0.4099



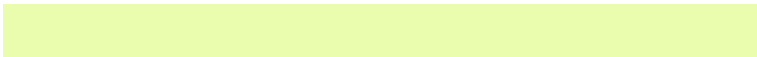
48.5238, 0.2702, 0.2407

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.



90.1692, 0.3176, 0.2733



90.1692, 0.3472, 0.4099



90.1692, 0.2439, 0.2598

Square

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



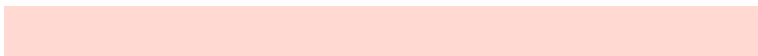
90.1692, 0.3472, 0.4099



90.1692, 0.2376, 0.3142



90.1692, 0.2746, 0.2586



90.1692, 0.3939, 0.3350

Rectangle

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



90.1692, 0.3472, 0.4099



90.1692, 0.2752, 0.3725



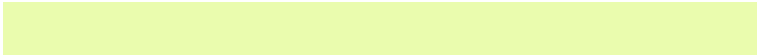
90.1692, 0.2746, 0.2586



90.1692, 0.3481, 0.2903

Sweetspot

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



90.1732, 0.3472, 0.4099



97.6160, 0.3227, 0.3514



60.9810, 0.3779, 0.3471



20.8154, 0.3244, 0.3552



0.0000, 0.0000, 0.0000



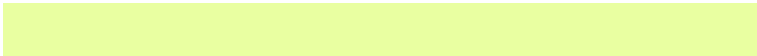
21.4041, 0.3127, 0.3290

Same Dimension

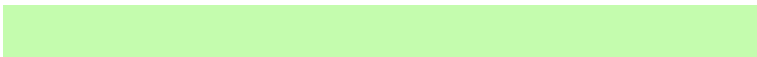
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1732, 0.3472, 0.4099



91.4340, 0.3535, 0.4263



84.4372, 0.3221, 0.4168



19.9765, 0.3233, 0.3527



42.2906, 0.3789, 0.5374



3.9642, 0.3839, 0.5333

Inverse Universe

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



48.5238, 0.2702, 0.2407



42.5906, 0.2599, 0.2208



54.1182, 0.2989, 0.2476



16.8367, 0.3015, 0.3047



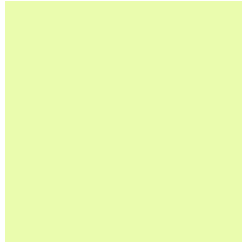
4.1888, 0.1625, 0.0669



0.4337, 0.1737, 0.0730

Previews

White Background



This preview shows how the Yxy color 90.1692, 0.3472, 0.4099 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 90.1692, 0.3472, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

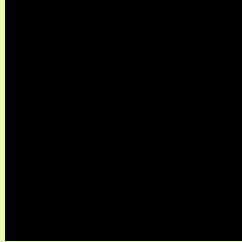
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

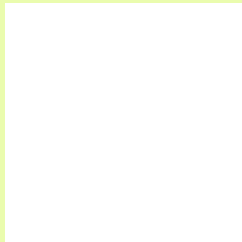
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1692, 0.3472, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 90.1692, 0.3472, 0.4099.

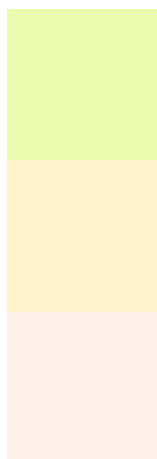


This preview shows how white text looks on a background with the Yxy color 90.1692, 0.3472, 0.4099.

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

90.1692, 0.3472, 0.4099

Protanopia

89.7208, 0.3452, 0.3678

Deuteranopia

89.8838, 0.3289, 0.3398



Tritanopia

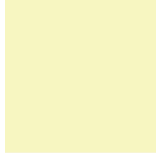
90.1367, 0.3069, 0.3163

Trichromacy



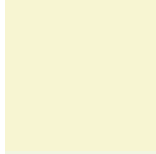
Original Color

90.1692, 0.3472, 0.4099



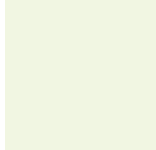
Protanomaly

89.5359, 0.3460, 0.3827



Deuteranomaly

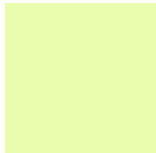
89.7321, 0.3355, 0.3643



Tritanomaly

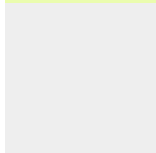
90.1033, 0.3215, 0.3492

Monochromacy



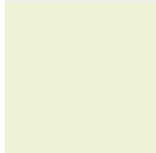
Original Color

90.1692, 0.3472, 0.4099



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0120, 0.3259, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1692, 0.3472, 0.4099 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(234, 252, 174)` looks like.

```
.text, #text, p{  
    color:rgb(234, 252, 174)  
}
```

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(234, 252, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 252, 174) }
```

Border

The CSS property to change the border of an element to Yxy 90.1692, 0.3472, 0.4099 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(234, 252, 174) }
```

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

```
.border{ border-color:rgb(234, 252, 174) }
```

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

Here you see how a box with a 4 pixel rgb(234, 252, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 252, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 252, 174);  
box-shadow:4px 4px 4px 4px rgb(234, 252,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1692, 0.3472, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 252, 174) }
```

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

```
.background{ background-color: rgb(234,  
252, 174) }
```

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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