

Converting Colors

$Yxy(90.4022, 0.3706, 0.4573)$

Have a look what the booklet for
Yxy(90.4022, 0.3706, 0.4573)
contains.

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Color

Yxy(90.4022, 0.3706, 0.4573)

Conversions

Conversions Part 1

Format	Color
Hex	E9FF80
RGB	233, 255, 128
RGB Percent	91%, 100%, 50%
CMY	0.0863, 0.0000, 0.4979
CMYK	0.09, 0.00, 0.50, 0.00
HSL	70°, 100%, 75%
HSV	70°, 50%, 100%
XYZ	73.2627, 90.4022, 34.0219
YIQ	233.9440, 27.6550, -44.1610

Conversions

Conversions Part 2

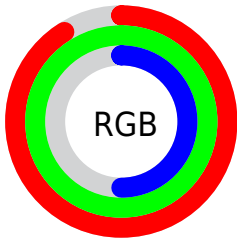
Format	Color
R _Y B	128, 255, 150
Decimal	15335296
CIE Lab	96.16, -25.02, 57.67
CIE LCh	96, 62.863, 113.454
Yxy	90.4022, 0.3706, 0.4573
Android (android.graphics.Color)	4293525376 (0xFFE9FF80)
YUV	233.9440, -52.2304, -0.8279
Hunter-Lab	95.0801, -28.8492, 45.3407

Details

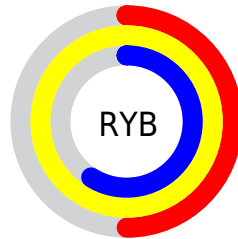
The Yxy color **90.4022, 0.3706, 0.4573** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.1557, 0.2315, 0.1759**, and the grayscale version is **82.6250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1989, 0.3556, 0.3998**, and **49.9965, 0.3791, 0.4846** is the 20% darker color. If you saturate the color by 10%, you get **89.0795, 0.3790, 0.4798**, and if you desaturate by 10%, it is **91.9146, 0.3604, 0.4323**.

Distribution



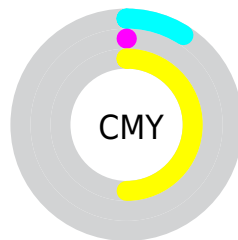
- Red (91%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (59%)



- Cyan (9%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4022, 0.3706, 0.4573 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 90.4022, 0.3706, 0.4573 by changing the saturation by 10% instead.


 90.4022, 0.3706,
0.4573


 90.4022, 0.3706,
0.4573


529.3383, 0.3478,
0.3994

 68.3143, 0.3746,
0.4697


 147.8969, 0.3636,
0.4378

 50.1535, 0.3789,
0.4846


 184.0725, 0.3606,
0.4300

 35.5353, 0.3834,
0.5025


 225.7128, 0.3580,
0.4232

 24.0755, 0.3875,
0.5243

273.2022, 0.3555,
0.4173

 15.3897, 0.3901,
0.5508

326.9250, 0.3533,
0.4120

 9.0933, 0.3917,
0.5871


387.2657, 0.3513,


 4.8021, 0.3787,


0.4073


0.6213


454.6087, 0.3495,
0.4032

 2.1316, 0.3435,
0.6565


 0.6823, 0.0524,
0.9476


 90.4022, 0.3706,
0.4573


 90.4022, 0.3706,
0.4573

 89.0795, 0.3790,
0.4798


 91.9146, 0.3604,
0.4323


 87.9300, 0.3852,
0.4989

 93.6248, 0.3489,
0.4060

 86.9399, 0.3888,
0.5137

 95.5447, 0.3369,
0.3794

 86.0915, 0.3898,
0.5237

 97.6842, 0.3246,
0.3534

■ 85.3567, 0.3885,
0.5297

100.0000, 0.3127,
0.3290

■ 85.3418, 0.3884,
0.5298

Harmonies

Analogous

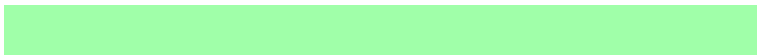
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4022, 0.4261, 0.4289



90.4022, 0.3706, 0.4573



90.4022, 0.3029, 0.4437

Triad

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



90.4022, 0.3706, 0.4573



90.4022, 0.1899, 0.2544



90.4022, 0.3819, 0.2791

Complementary

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



90.4022, 0.3706, 0.4573



29.1557, 0.2315, 0.1759

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.



90.4022, 0.3099, 0.2420



90.4022, 0.3706, 0.4573



90.4022, 0.2052, 0.2257

Square

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



90.4022, 0.3706, 0.4573



90.4022, 0.2018, 0.3108



90.4022, 0.2464, 0.2228



90.4022, 0.4368, 0.3277

Rectangle

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



90.4022, 0.3706, 0.4573



90.4022, 0.2601, 0.4080



90.4022, 0.2464, 0.2228



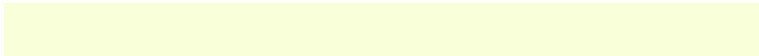
90.4022, 0.3584, 0.2651

Sweetspot

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



90.4034, 0.3706, 0.4573



96.5414, 0.3310, 0.3669



44.3772, 0.4426, 0.3512



20.5686, 0.3336, 0.3724



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.



90.4034, 0.3706, 0.4573



89.0535, 0.3792, 0.4803



81.6656, 0.3289, 0.4770



20.9222, 0.3242, 0.3527



44.6512, 0.3890, 0.5294



4.3875, 0.3926, 0.5265

Inverse Universe

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



29.1557, 0.2315, 0.1759



21.3516, 0.2116, 0.1422



36.7664, 0.2814, 0.1947



17.5290, 0.3006, 0.3046



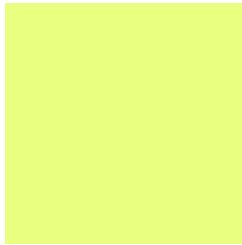
4.0982, 0.1576, 0.0642



0.4388, 0.1668, 0.0692

Previews

White Background



This preview shows how the Yxy color 90.4022, 0.3706, 0.4573 looks on a white background.

Color Contrast Check

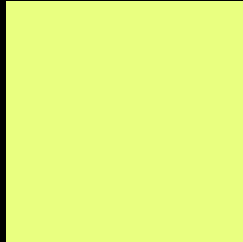
Large Text (above 18pt) WCAG AA × Fail

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 90.4022, 0.3706, 0.4573 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 90.4022, 0.3706, 0.4573

Background



This preview shows how black text looks on a background with the Yxy color 90.4022, 0.3706, 0.4573.

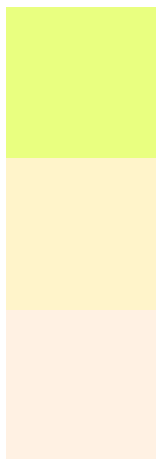


This preview shows how white text looks on a background with the Yxy color 90.4022, 0.3706, 0.4573.

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

90.4022, 0.3706, 0.4573

Protanopia

90.2256, 0.3462, 0.3708

Deuteranopia

89.7166, 0.3308, 0.3428



Tritanopia

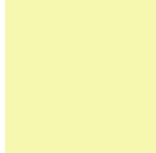
89.9048, 0.3082, 0.3153

Trichromacy



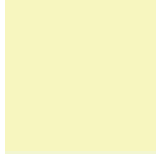
Original Color

90.4022, 0.3706, 0.4573



Protanomaly

90.0041, 0.3566, 0.4029



Deuteranomaly

89.4473, 0.3472, 0.3848



Tritanomaly

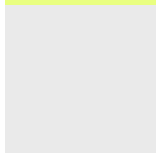
89.3922, 0.3326, 0.3667

Monochromacy



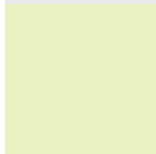
Original Color

90.4022, 0.3706, 0.4573



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.9368, 0.3364, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4022, 0.3706, 0.4573 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(233, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 128)  
}
```

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(233, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 128) }
```

Border

The CSS property to change the border of an element to Yxy 90.4022, 0.3706, 0.4573 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(233, 255, 128) }
```

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

```
.border{ border-color:rgb(233, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 255, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 255, 128); box-shadow:4px 4px 4px 4px rgb(233, 255, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4022, 0.3706, 0.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 128) }
```

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

```
.background{ background-color: rgb(233,  
255, 128) }
```

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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