

Converting Colors

$Y_{xy}(100.0000, 0.3708, 0.4798)$

Have a look what the booklet for
Yxy(100.0000, 0.3708, 0.4798)
contains.

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Color

Yxy(90.0585, 0.3772, 0.4692)

Conversions

Conversions Part 1

Format	Color
Hex	E9FF72
RGB	233, 255, 114
RGB Percent	91%, 100%, 45%
CMY	0.0863, 0.0000, 0.5530
CMYK	0.09, 0.00, 0.55, 0.00
HSL	69°, 100%, 72%
HSV	69°, 55%, 100%
XYZ	72.4000, 90.0585, 29.4821
YIQ	232.3480, 32.1490, -48.5150

Conversions

Conversions Part 2

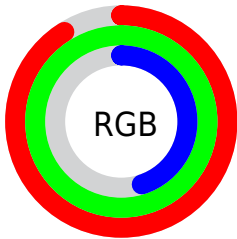
Format	Color
R_{YB}	114, 255, 136
Decimal	15335282
CIE _{Lab}	96.02, -26.21, 63.75
CIE _{LCh}	96, 68.930, 112.352
Yxy	90.0585, 0.3772, 0.4692
Android (android.graphics.Color)	4293525362 (0xFFE9FF72)
YUV	232.3480, -58.3456, 0.5718
Hunter-Lab	94.8992, -29.8932, 48.0099

Details

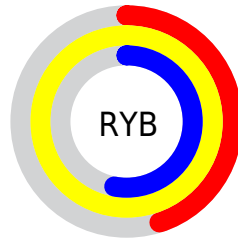
The Yxy color **90.0585, 0.3772, 0.4692** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.4856, 0.2190, 0.1567**, and the grayscale version is **81.3957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **49.8076, 0.3863, 0.4980** is the 20% darker color. If you saturate the color by 10%, you get **88.8935, 0.3848, 0.4896**, and if you desaturate by 10%, it is **91.3987, 0.3676, 0.4457**.

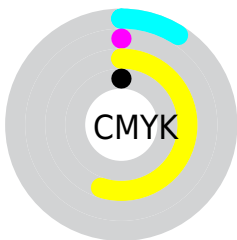
Distribution



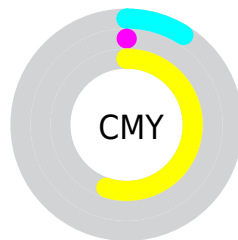
- Red (91%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (53%)



- Cyan (9%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.0585, 0.3772, 0.4692 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 90.0585, 0.3772, 0.4692 by changing the saturation by 10% instead.


 90.0585, 0.3772,
0.4692


 90.0585, 0.3772,
0.4692


528.2211, 0.3524,
0.4064


 68.0292, 0.3814,
0.4825

 147.4196, 0.3698,
0.4482

 49.9215, 0.3857,
0.4982


 183.5203, 0.3665,
0.4397

 35.3510, 0.3899,
0.5169


 225.0801, 0.3636,
0.4324

 23.9334, 0.3933,
0.5391

272.4835, 0.3609,
0.4259

 15.2842, 0.3942,
0.5653

326.1149, 0.3585,
0.4202

 9.0191, 0.3956,
0.6044


386.3587, 0.3563,


 4.7536, 0.3729,


0.4151


0.6271


453.5993, 0.3542,
0.4105


 2.1034, 0.3357,
0.6643


 0.6666, 0.0000,
1.0000


 90.0585, 0.3772,
0.4692


 90.0585, 0.3772,
0.4692


 88.8935, 0.3848,
0.4896


 91.3987, 0.3676,
0.4457


 87.8924, 0.3898,
0.5060

 92.9289, 0.3564,
0.4203

 87.0381, 0.3923,
0.5178

 94.6596, 0.3443,
0.3939

 86.3105, 0.3922,
0.5251

 96.6009, 0.3318,
0.3676

 85.9988, 0.3915,
0.5273

 98.7624, 0.3192,
0.3420

100.0000, 0.3127,
0.3290

Harmonies

Analogous

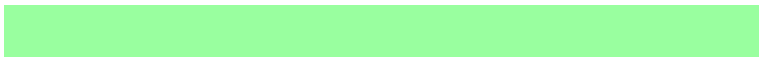
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0585, 0.4373, 0.4349



90.0585, 0.3772, 0.4692



90.0585, 0.3037, 0.4579

Triad

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



90.0585, 0.3772, 0.4692



90.0585, 0.1798, 0.2487



90.0585, 0.3857, 0.2728

Complementary

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



90.0585, 0.3772, 0.4692



24.4856, 0.2190, 0.1567

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.



90.0585, 0.3064, 0.2338



90.0585, 0.3772, 0.4692



90.0585, 0.1951, 0.2175

Square

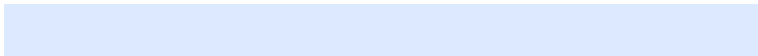
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0585, 0.3772, 0.4692



90.0585, 0.1932, 0.3109



90.0585, 0.2382, 0.2139



90.0585, 0.4474, 0.3245

Rectangle

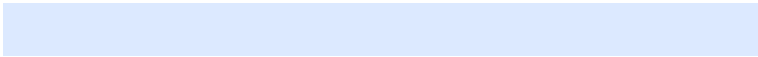
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.0585, 0.3772, 0.4692



90.0585, 0.2570, 0.4193



90.0585, 0.2382, 0.2139



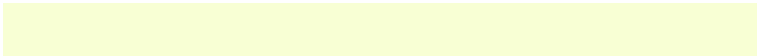
90.0585, 0.3596, 0.2580

Sweetspot

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



90.0576, 0.3772, 0.4692



96.2554, 0.3339, 0.3720



39.8417, 0.4661, 0.3507



20.5170, 0.3364, 0.3773



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.



90.0576, 0.3772, 0.4692



88.8182, 0.3852, 0.4909



80.5574, 0.3308, 0.4938



20.9388, 0.3245, 0.3526



44.9902, 0.3920, 0.5270



4.4175, 0.3953, 0.5243

Inverse Universe

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



24.4856, 0.2190, 0.1567



17.4961, 0.1985, 0.1230



32.3232, 0.2746, 0.1796



17.5138, 0.3003, 0.3046



4.0463, 0.1564, 0.0635



0.4315, 0.1651, 0.0683

Previews

White Background



This preview shows how the Yxy color 90.0585, 0.3772, 0.4692 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 90.0585, 0.3772, 0.4692 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 90.0585, 0.3772, 0.4692

Background



This preview shows how black text looks on a background with the Yxy color 90.0585, 0.3772, 0.4692.

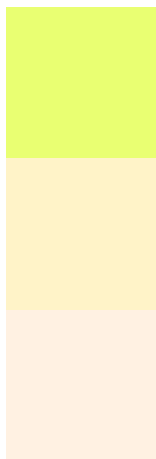


This preview shows how white text looks on a background with the Yxy color 90.0585, 0.3772, 0.4692.

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

90.0585, 0.3772, 0.4692

Protanopia

89.5313, 0.3477, 0.3719

Deuteranopia

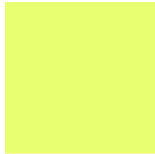
89.6616, 0.3314, 0.3438



Tritanopia

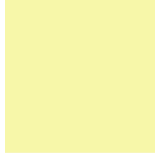
90.0871, 0.3088, 0.3154

Trichromacy



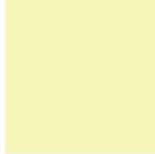
Original Color

90.0585, 0.3772, 0.4692



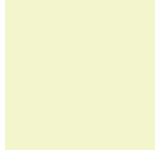
Protanomaly

89.1603, 0.3605, 0.4080



Deuteranomaly

89.1885, 0.3510, 0.3909



Tritanomaly

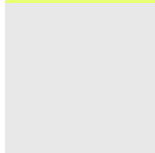
89.3259, 0.3364, 0.3718

Monochromacy



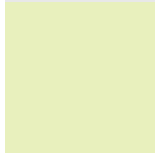
Original Color

90.0585, 0.3772, 0.4692



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.1501, 0.3391, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0585, 0.3772, 0.4692 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 114) }
```

Border

The CSS property to change the border of an element to Yxy 90.0585, 0.3772, 0.4692 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, 114) }
```

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

```
.border{ border-color:rgb(233, 255, 114) }
```

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, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0585, 0.3772, 0.4692 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, 114) }
```

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

```
.background{ background-color: rgb(233,  
255, 114) }
```

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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