

Converting Colors

$Yxy(72.0653, 0.3040, 0.4239)$

Have a look what the booklet for
Yxy(72.0653, 0.3040, 0.4239)
contains.

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Color

Yxy(72.1686, 0.3040, 0.4239)

Conversions

Conversions Part 1

Format	Color
Hex	9DF0A4
RGB	157, 240, 164
RGB Percent	62%, 94%, 64%
CMY	0.3846, 0.0588, 0.3568
CMYK	0.35, 0.00, 0.32, 0.06
HSL	125°, 73%, 78%
HSV	125°, 35%, 94%
XYZ	51.7557, 72.1686, 46.3248
YIQ	206.5190, -25.0720, -41.2320

Conversions

Conversions Part 2

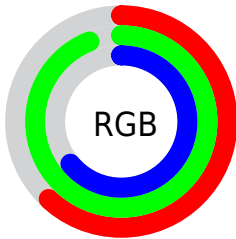
Format	Color
RYB	157, 234, 240
Decimal	10350756
CIELab	88.05, -40.19, 28.97
CIELCh	88, 49.547, 144.214
Yxy	72.1686, 0.3040, 0.4239
Android (android.graphics.Color)	4288540836 (0xFF9DF0A4)
YUV	206.5190, -20.9619, -43.4282
Hunter-Lab	84.9521, -39.9179, 27.1354

Details

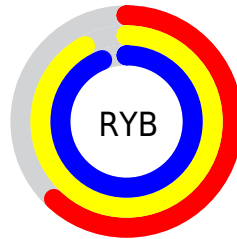
The Yxy color **72.1686, 0.3040, 0.4239** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.4994, 0.3226, 0.2496**, and the grayscale version is **62.2132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9306, 0.3079, 0.3670**, and **37.8616, 0.2998, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **69.2651, 0.3016, 0.4571**, and if you desaturate by 10%, it is **75.6892, 0.3065, 0.3928**.

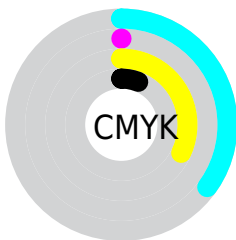
Distribution



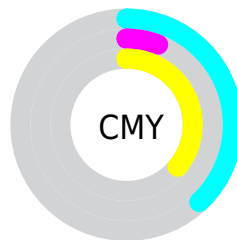
- Red (62%)
- Green (94%)
- Blue (64%)



- Red (62%)
- Yellow (92%)
- Blue (94%)



- Cyan (35%)
- Magenta (0%)
- Yellow (32%)
- Black (6%)




- Cyan (38%)
- Magenta (6%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1686, 0.3040, 0.4239 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 72.1686, 0.3040, 0.4239 by changing the saturation by 10% instead.


 72.1686, 0.3040,
0.4239


 72.1686, 0.3040,
0.4239


468.1282, 0.3094,
0.3774

 53.2964, 0.3024,
0.4351


 122.2962, 0.3062,
0.4073

 38.0394, 0.3001,
0.4493


 154.3204, 0.3070,
0.4009

 26.0133, 0.2969,
0.4678


191.4974, 0.3076,
0.3956

 16.8336, 0.2921,
0.4926

234.2116, 0.3081,
0.3909

 10.1159, 0.2842,
0.5278

282.8474, 0.3085,
0.3869

 5.4759, 0.2702,
0.5803

337.7892, 0.3089,

 2.5291, 0.2557,

0.3833

0.7026

399.4213, 0.3092,
0.3802

0.8912, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.1686, 0.3040,
0.4239

72.1686, 0.3040,
0.4239

69.2651, 0.3016,
0.4571

75.6892, 0.3065,
0.3928

66.9347, 0.2996,
0.4909

79.8501, 0.3091,
0.3646

65.1420, 0.2982,
0.5234

84.6840, 0.3116,
0.3395

63.8437, 0.2975,
0.5522

90.2192, 0.3140,
0.3176

■ 62.9901, 0.2976,
0.5750

■ 90.8098, 0.3134,
0.3146

■ 62.5205, 0.2983,
0.5904

■ 62.3819, 0.2988,
0.5955

Harmonies

Analogous

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



72.1686, 0.3623, 0.4380



72.1686, 0.3040, 0.4239



72.1686, 0.2510, 0.3744

Triad

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



72.1686, 0.3040, 0.4239



72.1686, 0.2202, 0.2395



72.1686, 0.4188, 0.3304

Complementary

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



72.1686, 0.3040, 0.4239



48.4994, 0.3226, 0.2496

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.



72.1686, 0.3732, 0.2872



72.1686, 0.3040, 0.4239



72.1686, 0.2571, 0.2369

Square

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



72.1686, 0.3040, 0.4239



72.1686, 0.2061, 0.2649



72.1686, 0.3124, 0.2541



72.1686, 0.4319, 0.3766

Rectangle

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



72.1686, 0.3040, 0.4239



72.1686, 0.2254, 0.3331



72.1686, 0.3124, 0.2541



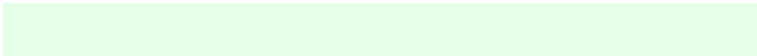
72.1686, 0.4066, 0.3153

Sweetspot

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



72.1716, 0.3040, 0.4239



94.0679, 0.3103, 0.3527



82.1011, 0.3599, 0.4168



19.9697, 0.3099, 0.3563



0.0000, 0.0000, 0.0000



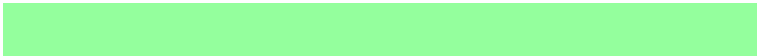
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1716, 0.3040, 0.4239



80.2414, 0.3022, 0.4487



73.9182, 0.2815, 0.3708



17.6782, 0.3104, 0.3513



34.1513, 0.2984, 0.5943



2.8485, 0.2947, 0.5808

Inverse Universe

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



48.4994, 0.3226, 0.2496



49.0552, 0.3252, 0.2331



46.4052, 0.3604, 0.2911



16.0068, 0.3151, 0.3077



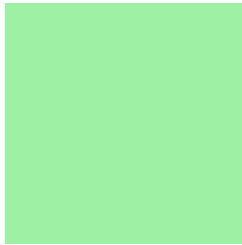
12.9672, 0.3435, 0.1666



1.0855, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 72.1686, 0.3040, 0.4239 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 72.1686, 0.3040, 0.4239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

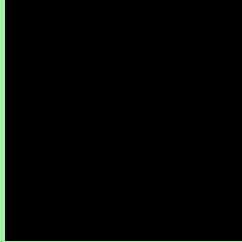
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1686, 0.3040, 0.4239

Background



This preview shows how black text looks on a background with the Yxy color 72.1686, 0.3040, 0.4239.



This preview shows how white text looks on a background with the Yxy color 72.1686, 0.3040, 0.4239.

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

72.1686, 0.3040, 0.4239

Protanopia

71.5575, 0.3705, 0.3991

Deuteranopia

71.4421, 0.3729, 0.3673



Tritanopia

71.7002, 0.2666, 0.3074

Trichromacy



Original Color

72.1686, 0.3040, 0.4239



Protanomaly

70.8167, 0.3441, 0.4085



Deuteranomaly

70.2429, 0.3450, 0.3866



Tritanomaly

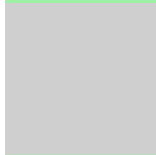
71.5031, 0.2803, 0.3479

Monochromacy



Original Color

72.1686, 0.3040, 0.4239



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

65.2434, 0.3097, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1686, 0.3040, 0.4239 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(157, 240, 164)` looks like.

```
.text, #text, p{  
    color:rgb(157, 240, 164)  
}
```

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(157, 240, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 240, 164) }
```

Border

The CSS property to change the border of an element to Yxy 72.1686, 0.3040, 0.4239 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(157, 240, 164) }
```

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

```
.border{ border-color:rgb(157, 240, 164) }
```

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

Here you see how a box with a 4 pixel rgb(157, 240, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 240, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 240, 164);  
box-shadow:4px 4px 4px 4px rgb(157, 240,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1686, 0.3040, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 240, 164) }
```

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

```
.background{ background-color: rgb(157,  
240, 164) }
```

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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