

# Converting Colors

$Y_{xy}(71.9660, 0.3192, 0.4481)$

Have a look what the booklet for  
Yxy(71.9660, 0.3192, 0.4481)  
contains.

<b>Yxy(72.0899, 0.3191, 0.4491)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.0899, 0.3191, 0.4491)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3F08F
RGB	163, 240, 143
RGB Percent	64%, 94%, 56%
CMY	0.3608, 0.0588, 0.4391
CMYK	0.32, 0.00, 0.40, 0.06
HSL	108°, 76%, 75%
HSV	108°, 40%, 94%
XYZ	51.2222, 72.0899, 37.2087
YIQ	205.9190, -14.7550, -46.4910

# Conversions

## Conversions Part 2

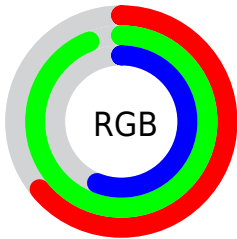
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 240, 220
Decimal	10743951
CIELab	88.01, -41.44, 39.50
CIELCh	88, 57.250, 136.369
Yxy	72.0899, 0.3191, 0.4491
Android (android.graphics.Color)	4288934031 (0xFFA3F08F)
YUV	205.9190, -31.0191, -37.6400
Hunter-Lab	84.9058, -40.8991, 33.4511

# Details

The Yxy color **72.0899, 0.3191, 0.4491** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.1635, 0.2998, 0.2240**, and the grayscale version is **61.8779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8129, 0.3235, 0.3893**, and **37.8104, 0.3178, 0.4805** is the 20% darker color. If you saturate the color by 10%, you get **69.5792, 0.3193, 0.4831**, and if you desaturate by 10%, it is **75.0655, 0.3182, 0.4158**.

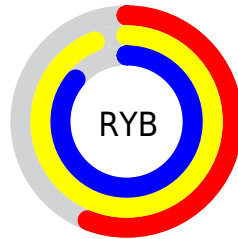
# Distribution



Red (64%)

Green (94%)

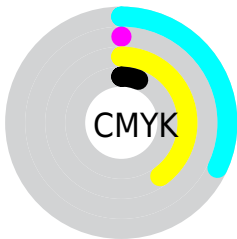
Blue (56%)



Red (56%)

Yellow (94%)

Blue (86%)

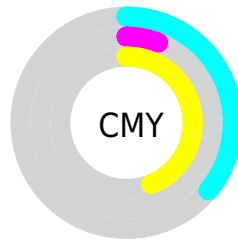


Cyan (32%)

Magenta (0%)

Yellow (40%)

Black (6%)



Cyan (36%)

Magenta (6%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0899, 0.3191, 0.4491 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 72.0899, 0.3191, 0.4491 by changing the saturation by 10% instead.





 72.0899, 0.3191,  
0.4491


 72.0899, 0.3191,  
0.4491


467.8544, 0.3184,  
0.3902

 53.2321, 0.3186,  
0.4632


 122.1843, 0.3194,  
0.4281

 37.9881, 0.3175,  
0.4810

 154.1898, 0.3193,  
0.4201

 25.9735, 0.3155,  
0.5039


191.3466, 0.3192,  
0.4132

 16.8038, 0.3117,  
0.5343

234.0391, 0.3191,  
0.4073

 10.0947, 0.3041,  
0.5761

282.6517, 0.3189,  
0.4022

 5.4618, 0.2897,  
0.6384


337.5689, 0.3188,

 2.5207, 0.2597,


0.3977


0.7403


399.1750, 0.3186,  
0.3937


 0.8870, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 72.0899, 0.3191,  
0.4491


 72.0899, 0.3191,  
0.4491


 69.5792, 0.3193,  
0.4831

 75.0655, 0.3182,  
0.4158

 67.5007, 0.3185,  
0.5159

 78.5186, 0.3167,  
0.3844

 65.8317, 0.3166,  
0.5454

 82.4726, 0.3148,  
0.3557

 64.5435, 0.3138,  
0.5692

 86.9467, 0.3128,  
0.3300

■ 63.6036, 0.3101,  
0.5857

■ 90.8034, 0.3134,  
0.3146

■ 62.9870, 0.3065,  
0.5949

# Harmonies

## Analogous

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



72.0899, 0.3844, 0.4515



72.0899, 0.3191, 0.4491



72.0899, 0.2555, 0.4000

# Triad

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



72.0899, 0.3191, 0.4491



72.0899, 0.2009, 0.2317



72.0899, 0.4248, 0.3160

# Complementary

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



72.0899, 0.3191, 0.4491



41.1635, 0.2998, 0.2240

# 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.



72.0899, 0.3645, 0.2700



72.0899, 0.3191, 0.4491



72.0899, 0.2357, 0.2230

# Square

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



72.0899, 0.3191, 0.4491



72.0899, 0.1921, 0.2665



72.0899, 0.2938, 0.2371



72.0899, 0.4503, 0.3677



# Rectangle

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



72.0899, 0.3191, 0.4491



72.0899, 0.2226, 0.3520



72.0899, 0.2938, 0.2371



72.0899, 0.4076, 0.2996

# Sweetspot

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



72.0930, 0.3191, 0.4491



93.8629, 0.3152, 0.3602



71.1689, 0.3814, 0.4099



19.9588, 0.3154, 0.3639



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

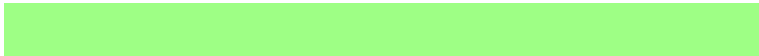


# Same Dimension

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



72.0930, 0.3191, 0.4491



80.4519, 0.3193, 0.4755



71.0861, 0.2925, 0.4175



17.8131, 0.3147, 0.3532



34.5235, 0.3072, 0.5942



2.9130, 0.3156, 0.5876



# Inverse Universe

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



41.1635, 0.2998, 0.2240



40.6746, 0.2963, 0.2044



42.9574, 0.3424, 0.2549



15.8575, 0.3105, 0.3055



9.5358, 0.2693, 0.1257

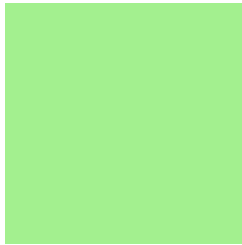


0.8342, 0.2764, 0.1296



# Previews

## White Background



This preview shows how the Yxy color 72.0899, 0.3191, 0.4491 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 72.0899, 0.3191, 0.4491 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

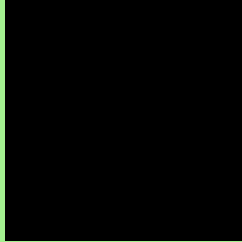
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.0899, 0.3191, 0.4491**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0899, 0.3191, 0.4491.

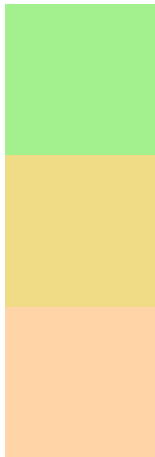


This preview shows how white text looks on a background with the Yxy color 72.0899, 0.3191, 0.4491.

# 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

72.0899, 0.3191, 0.4491

### Protanopia

71.4609, 0.3863, 0.4189

### Deuteranopia

71.1001, 0.3796, 0.3766



## Tritanopia

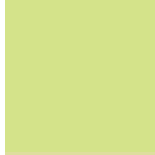
71.9644, 0.2721, 0.3087

# Trichromacy



## Original Color

72.0899, 0.3191, 0.4491



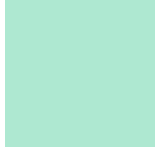
## Protanomaly

70.7702, 0.3598, 0.4301



## Deuteranomaly

70.2408, 0.3561, 0.4007



## Tritanomaly

71.3153, 0.2889, 0.3563

# Monochromacy



## Original Color

72.0899, 0.3191, 0.4491



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

64.5089, 0.3158, 0.3713

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0899, 0.3191, 0.4491 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(163, 240, 143)` looks like.

```
.text, #text, p{  
    color:rgb(163, 240, 143)  
}
```

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(163, 240, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 240, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0899, 0.3191, 0.4491 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(163, 240, 143) }
```

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

```
.border{ border-color:rgb(163, 240, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 240, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 240, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 240, 143); box-shadow:4px 4px 4px 4px rgb(163, 240, 143) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0899, 0.3191, 0.4491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 240, 143) }
```

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

```
.background{ background-color: rgb(163,  
240, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor