

Converting Colors

Yxy(72.4722, 0.3336, 0.5044)

Have a look what the booklet for
Yxy(72.4722, 0.3336, 0.5044)
contains.

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Color

Yxy(72.4722, 0.3336, 0.5044)

Conversions

Conversions Part 1

Format	Color
Hex	9AF463
RGB	154, 244, 99
RGB Percent	60%, 96%, 39%
CMY	0.3961, 0.0431, 0.6116
CMYK	0.37, 0.00, 0.59, 0.04
HSL	97°, 87%, 67%
HSV	97°, 59%, 96%
XYZ	47.9317, 72.4722, 23.2762
YIQ	200.5600, -7.0950, -64.1750

Conversions

Conversions Part 2

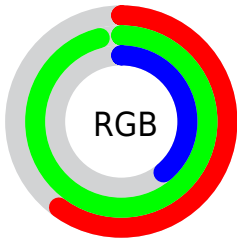
Format	Color
R_{YB}	99, 244, 189
Decimal	10155107
CIE _{Lab}	88.20, -51.13, 60.06
CIE _{LCh}	88, 78.880, 130.410
Yxy	72.4722, 0.3336, 0.5044
Android (android.graphics.Color)	4288345187 (0xFF9AF463)
YUV	200.5600, -50.0691, -40.8331
Hunter-Lab	85.1306, -48.4765, 43.3805

Details

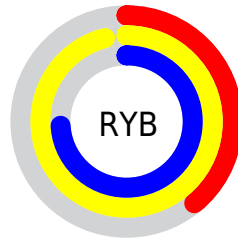
The Yxy color **72.4722, 0.3336, 0.5044** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **26.2872, 0.2670, 0.1679**, and the grayscale version is **58.4459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9992, 0.3435, 0.4379**, and **38.1946, 0.3308, 0.5491** is the 20% darker color. If you saturate the color by 10%, you get **70.6829, 0.3330, 0.5322**, and if you desaturate by 10%, it is **74.5963, 0.3324, 0.4737**.

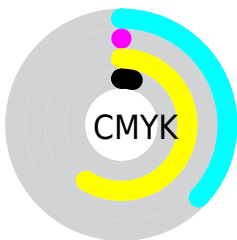
Distribution



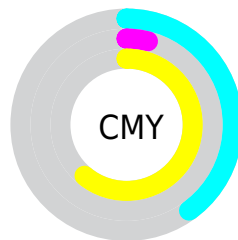
- Red (60%)
- Green (96%)
- Blue (39%)



- Red (39%)
- Yellow (96%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (59%)
- Black (4%)




- Cyan (40%)
- Magenta (4%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4722, 0.3336, 0.5044 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 72.4722, 0.3336, 0.5044 by changing the saturation by 10% instead.


 72.4722, 0.3336,
0.5044

 72.4722, 0.3336,
0.5044


469.1835, 0.3294,
0.4187

 53.5445, 0.3328,
0.5243


 122.7276, 0.3335,
0.4742


 38.2376, 0.3308,
0.5488


 154.8242, 0.3330,
0.4625

 26.1672, 0.3265,
0.5793


 192.0791, 0.3325,
0.4526

 16.9487, 0.3180,
0.6176

 234.8768, 0.3319,
0.4439

 10.1979, 0.3035,
0.6699

283.6017, 0.3312,
0.4364

 5.5304, 0.2712,
0.7288


338.6382, 0.3306,

 2.5617, 0.2064,


0.4298

0.7936


400.3707, 0.3300,
0.4239


 0.9075, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.4722, 0.3336,
0.5044


 72.4722, 0.3336,
0.5044


 70.6829, 0.3330,
0.5322


 74.5963, 0.3324,
0.4737


 69.1989, 0.3306,
0.5552


 77.0640, 0.3299,
0.4419

 68.0003, 0.3264,
0.5722


 79.8949, 0.3263,
0.4105


 67.0549, 0.3210,
0.5830

 83.1045, 0.3219,
0.3806

 67.0051, 0.3207,
0.5836

 86.7072, 0.3173,
0.3529

 90.7167, 0.3124,
0.3276

 93.1830, 0.3132,
0.3185

Harmonies

Analogous

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



72.4722, 0.4183, 0.4848



72.4722, 0.3336, 0.5044



72.4722, 0.2480, 0.4489

Triad

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



72.4722, 0.3336, 0.5044



72.4722, 0.1627, 0.2054



72.4722, 0.4532, 0.2956

Complementary

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



72.4722, 0.3336, 0.5044



26.2872, 0.2670, 0.1679

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.



72.4722, 0.3627, 0.2410



72.4722, 0.3336, 0.5044



72.4722, 0.1992, 0.1908

Square

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



72.4722, 0.3336, 0.5044



72.4722, 0.1574, 0.2547



72.4722, 0.2680, 0.2041



72.4722, 0.4976, 0.3592

Rectangle

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



72.4722, 0.3336, 0.5044



72.4722, 0.2023, 0.3800



72.4722, 0.2680, 0.2041



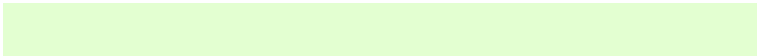
72.4722, 0.4263, 0.2760

Sweetspot

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



72.4753, 0.3336, 0.5044



92.3787, 0.3213, 0.3767



56.2876, 0.4315, 0.4214



19.5382, 0.3226, 0.3851



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.



72.4753, 0.3336, 0.5044



77.8176, 0.3327, 0.5366



68.6179, 0.2970, 0.5013



18.7781, 0.3173, 0.3531



36.5049, 0.3218, 0.5827



3.2654, 0.3315, 0.5750

Inverse Universe

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



26.2872, 0.2670, 0.1679



22.5940, 0.2548, 0.1410



33.7163, 0.3359, 0.2035



16.4362, 0.3077, 0.3052



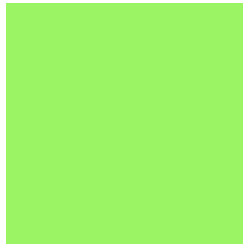
7.2350, 0.2278, 0.1028



0.6947, 0.2393, 0.1092

Previews

White Background



This preview shows how the Yxy color 72.4722, 0.3336, 0.5044 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 72.4722, 0.3336, 0.5044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

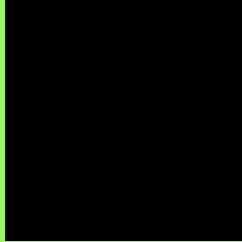
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

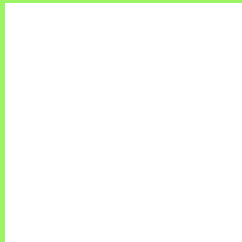
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4722, 0.3336, 0.5044

Background



This preview shows how black text looks on a background with the Yxy color 72.4722, 0.3336, 0.5044.

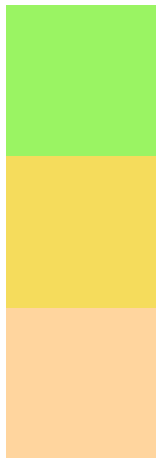


This preview shows how white text looks on a background with the Yxy color 72.4722, 0.3336, 0.5044.

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

72.4722, 0.3336, 0.5044

Protanopia

71.3716, 0.4151, 0.4545

Deuteranopia

71.3171, 0.3851, 0.3857



Tritanopia

72.1011, 0.2694, 0.3086

Trichromacy



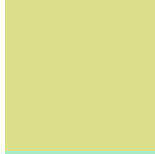
Original Color

72.4722, 0.3336, 0.5044



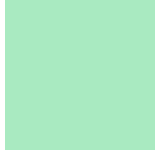
Protanomaly

70.8619, 0.3826, 0.4737



Deuteranomaly

70.0229, 0.3661, 0.4266



Tritanomaly

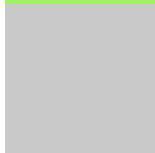
71.1309, 0.2950, 0.3788

Monochromacy



Original Color

72.4722, 0.3336, 0.5044



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

62.4964, 0.3240, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4722, 0.3336, 0.5044 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(154, 244, 99)` looks like.

```
.text, #text, p{  
    color:rgb(154, 244, 99)  
}
```

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(154, 244, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 244, 99) }
```

Border

The CSS property to change the border of an element to Yxy 72.4722, 0.3336, 0.5044 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(154, 244, 99) }
```

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

```
.border{ border-color:rgb(154, 244, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 244, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 244, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 244, 99);  
box-shadow:4px 4px 4px 4px rgb(154, 244,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4722, 0.3336, 0.5044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 244, 99) }
```

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

```
.background{ background-color: rgb(154,  
244, 99) }
```

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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