

Converting Colors

$Yxy(81.2890, 0.3413, 0.5021)$

Have a look what the booklet for
Yxy(81.2890, 0.3413, 0.5021)
contains.

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Color

Yxy(81.2500, 0.3411, 0.5023)

Conversions

Conversions Part 1

Format	Color
Hex	ACFF66
RGB	172, 255, 102
RGB Percent	67%, 100%, 40%
CMY	0.3254, 0.0000, 0.6002
CMYK	0.33, 0.00, 0.60, 0.00
HSL	93°, 100%, 70%
HSV	93°, 60%, 100%
XYZ	55.1749, 81.2500, 25.3310
YIQ	212.7410, -0.3550, -65.1790

Conversions

Conversions Part 2

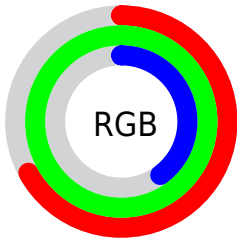
Format	Color
RYB	102, 255, 185
Decimal	11337574
CIELab	92.24, -49.47, 63.62
CIELCh	92, 80.587, 127.866
Yxy	81.2500, 0.3411, 0.5023
Android (android.graphics.Color)	4289527654 (0xFFACFF66)
YUV	212.7410, -54.5953, -35.7299
Hunter-Lab	90.1388, -48.4810, 46.4354

Details

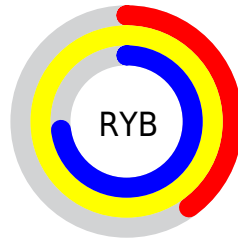
The Yxy color **81.2500, 0.3411, 0.5023** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **27.0167, 0.2556, 0.1614**, and the grayscale version is **66.7321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9775, 0.3535, 0.4295**, and **44.1474, 0.3398, 0.5438** is the 20% darker color. If you saturate the color by 10%, you get **79.3386, 0.3413, 0.5286**, and if you desaturate by 10%, it is **83.4853, 0.3390, 0.4730**.

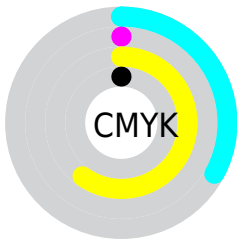
Distribution



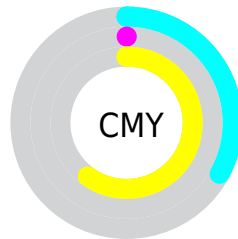
- Red (67%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (73%)



- Cyan (33%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2500, 0.3411, 0.5023 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 81.2500, 0.3411, 0.5023 by changing the saturation by 10% instead.


 81.2500, 0.3411,
0.5023


 81.2500, 0.3411,
0.5023


499.1355, 0.3337,
0.4199

 60.7475, 0.3411,
0.5209


 135.1217, 0.3399,
0.4737


 44.0214, 0.3400,
0.5434

 169.2598, 0.3390,
0.4626

 30.6874, 0.3372,
0.5710


 208.7118, 0.3381,
0.4530

 20.3609, 0.3310,
0.6051

 253.8622, 0.3371,
0.4446

 12.6577, 0.3189,
0.6481

305.0954, 0.3362,
0.4373

 7.1932, 0.2961,
0.7039


362.7958, 0.3353,


 3.5832, 0.2458,

0.4308


0.7542


427.3476, 0.3345,
0.4250


 1.4433, 0.0529,
0.9471

 0.2483, 0.0000,
1.0000


 81.2500, 0.3411,
0.5023


 81.2500, 0.3411,
0.5023

 79.3386, 0.3413,
0.5286


 83.4853, 0.3390,
0.4730


 77.7229, 0.3393,
0.5502


 86.0536, 0.3353,
0.4423

 76.3828, 0.3353,
0.5661

 88.9740, 0.3304,
0.4116

 75.2859, 0.3297,
0.5764

 92.2613, 0.3248,
0.3821

 95.9295, 0.3188,
0.3544

99.9916, 0.3127,
0.3290

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.



81.2500, 0.4235, 0.4788



81.2500, 0.3411, 0.5023



81.2500, 0.2558, 0.4540

Triad

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



81.2500, 0.3411, 0.5023



81.2500, 0.1630, 0.2099



81.2500, 0.4446, 0.2912

Complementary

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



81.2500, 0.3411, 0.5023



27.0167, 0.2556, 0.1614

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.



81.2500, 0.3537, 0.2384



81.2500, 0.3411, 0.5023



81.2500, 0.1965, 0.1927

Square

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



81.2500, 0.3411, 0.5023



81.2500, 0.1604, 0.2620



81.2500, 0.2619, 0.2036



81.2500, 0.4934, 0.3537

Rectangle

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



81.2500, 0.3411, 0.5023



81.2500, 0.2090, 0.3883



81.2500, 0.2619, 0.2036



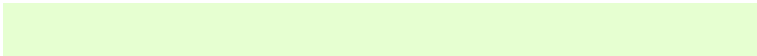
81.2500, 0.4170, 0.2721

Sweetspot

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



81.2528, 0.3411, 0.5023



92.9710, 0.3236, 0.3763



56.3237, 0.4422, 0.4104



19.6818, 0.3253, 0.3846



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.



81.2528, 0.3411, 0.5023



78.9956, 0.3410, 0.5333



75.4045, 0.3017, 0.5184



20.5756, 0.3185, 0.3531



39.4248, 0.3309, 0.5755



3.9027, 0.3396, 0.5685

Inverse Universe

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



27.0167, 0.2556, 0.1614



20.4272, 0.2408, 0.1325



37.6487, 0.3240, 0.1929



17.8628, 0.3064, 0.3050



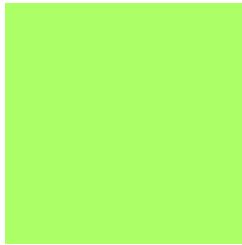
6.6962, 0.2105, 0.0934



0.7170, 0.2223, 0.0998

Previews

White Background



This preview shows how the Yxy color 81.2500, 0.3411, 0.5023 looks on a white background.

Color Contrast Check

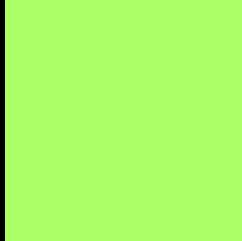
Large Text (above 18pt) WCAG AA × Fail

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 81.2500, 0.3411, 0.5023 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

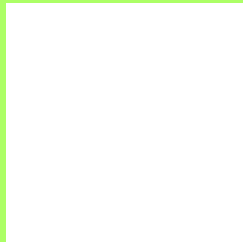
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2500, 0.3411, 0.5023

Background



This preview shows how black text looks on a background with the Yxy color 81.2500, 0.3411, 0.5023.

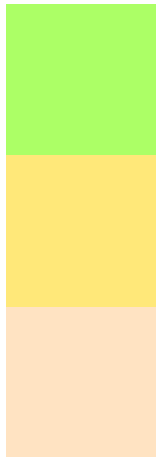


This preview shows how white text looks on a background with the Yxy color 81.2500, 0.3411, 0.5023.

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

81.2500, 0.3411, 0.5023

Protanopia

80.3537, 0.4005, 0.4376

Deuteranopia

80.0932, 0.3551, 0.3626



Tritanopia

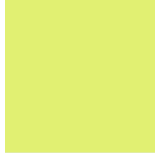
80.6484, 0.2792, 0.3108

Trichromacy



Original Color

81.2500, 0.3411, 0.5023



Protanomaly

79.5426, 0.3780, 0.4608



Deuteranomaly

79.1491, 0.3523, 0.4115



Tritanomaly

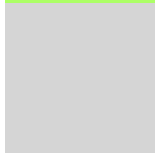
79.7720, 0.3047, 0.3804

Monochromacy



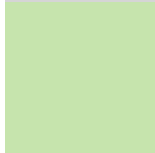
Original Color

81.2500, 0.3411, 0.5023



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.5097, 0.3270, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2500, 0.3411, 0.5023 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(172, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 102)  
}
```

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(172, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 81.2500, 0.3411, 0.5023 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(172, 255, 102) }
```

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

```
.border{ border-color:rgb(172, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2500, 0.3411, 0.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 102) }
```

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

```
.background{ background-color: rgb(172,  
255, 102) }
```

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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