

Converting Colors

$Yxy(76.2980, 0.3045, 0.5083)$

Have a look what the booklet for
Yxy(76.2980, 0.3045, 0.5083)
contains.

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Color

Yxy(76.3123, 0.3043, 0.5078)

Conversions

Conversions Part 1

Format	Color
Hex	72FF72
RGB	114, 255, 114
RGB Percent	45%, 100%, 45%
CMY	0.5532, 0.0000, 0.5529
CMYK	0.55, 0.00, 0.55, 0.00
HSL	120°, 100%, 72%
HSV	120°, 55%, 100%
XYZ	45.7303, 76.3123, 28.2377
YIQ	196.7670, -38.7750, -73.7430

Conversions

Conversions Part 2

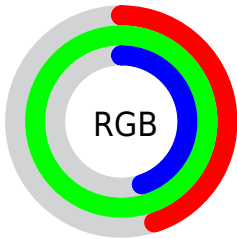
Format	Color
RYB	114, 255, 255
Decimal	7536498
CIELab	90.00, -65.12, 55.22
CIELCh	90, 85.383, 139.701
Yxy	76.3123, 0.3043, 0.5078
Android (android.graphics.Color)	4285726578 (0xFF72FF72)
YUV	196.7670, -40.8041, -72.5867
Hunter-Lab	87.3569, -59.4320, 41.9847

Details

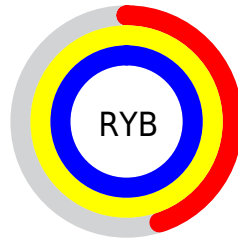
The Yxy color **76.3123, 0.3043, 0.5078** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **40.4963, 0.3189, 0.1978**, and the grayscale version is **55.9426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6147, 0.3121, 0.4290**, and **40.7302, 0.2955, 0.5548** is the 20% darker color. If you saturate the color by 10%, you get **74.3292, 0.3028, 0.5408**, and if you desaturate by 10%, it is **78.9250, 0.3060, 0.4719**.

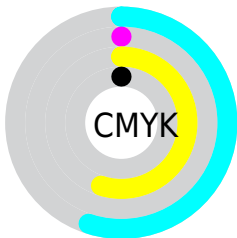
Distribution



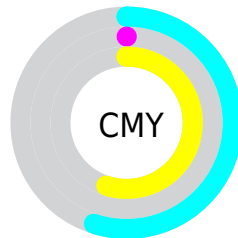
- Red (45%)
- Green (100%)
- Blue (45%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3123, 0.3043, 0.5078 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 76.3123, 0.3043, 0.5078 by changing the saturation by 10% instead.


 76.3123, 0.3043,
0.5078


 76.3123, 0.3043,
0.5078


482.4161, 0.3133,
0.4193


 56.6886, 0.3007,
0.5289


 128.1683, 0.3086,
0.4763

 40.7553, 0.2955,
0.5551


 161.1693, 0.3099,
0.4642

 28.1279, 0.2876,
0.5883


 199.3984, 0.3109,
0.4540

 18.4221, 0.2751,
0.6312

243.2397, 0.3117,
0.4451

 11.2535, 0.2543,
0.6870

293.0777, 0.3122,
0.4374

 6.2376, 0.2236,
0.7764


349.2969, 0.3127,

 2.9901, 0.1470,


0.4306


0.8530


412.2815, 0.3130,
0.4247


 1.1266, 0.0000,
1.0000


 0.0005, 0.0000,
1.0000


 76.3123, 0.3043,
0.5078


 76.3123, 0.3043,
0.5078


 74.3292, 0.3028,
0.5408


 78.9250, 0.3060,
0.4719

 72.9338, 0.3015,
0.5681


 82.2283, 0.3077,
0.4358


 72.0584, 0.3006,
0.5873

 86.2615, 0.3093,
0.4015

 71.6244, 0.3001,
0.5975

 91.0648, 0.3108,
0.3702

 71.5202, 0.3000,
0.6000

 96.6751, 0.3121,
0.3424

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.



76.3123, 0.3962, 0.5068



76.3123, 0.3043, 0.5078



76.3123, 0.2194, 0.4247

Triad

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



76.3123, 0.3043, 0.5078



76.3123, 0.1637, 0.1907



76.3123, 0.4835, 0.3128

Complementary

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



76.3123, 0.3043, 0.5078



40.4963, 0.3189, 0.1978

Split Complementary

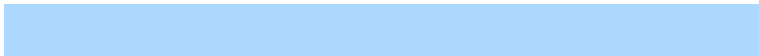
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3123, 0.3980, 0.2524



76.3123, 0.3043, 0.5078



76.3123, 0.2117, 0.1855

Square

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



76.3123, 0.3043, 0.5078



76.3123, 0.1480, 0.2292



76.3123, 0.2940, 0.2074



76.3123, 0.5091, 0.3804

Rectangle

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



76.3123, 0.3043, 0.5078



76.3123, 0.1790, 0.3469



76.3123, 0.2940, 0.2074



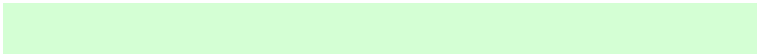
76.3123, 0.4602, 0.2916

Sweetspot

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



76.3080, 0.3043, 0.5078



90.2019, 0.3105, 0.3752



93.9935, 0.3926, 0.4611



19.0925, 0.3102, 0.3814



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.



76.3080, 0.3043, 0.5078



74.2163, 0.3027, 0.5429



78.5735, 0.2733, 0.4179



20.1683, 0.3116, 0.3536



37.3709, 0.3000, 0.6000



3.6387, 0.3000, 0.5999

Inverse Universe

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



40.4963, 0.3189, 0.1978



35.2431, 0.3198, 0.1799



36.7607, 0.3927, 0.2580



18.3003, 0.3138, 0.3056



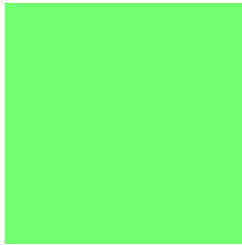
14.8777, 0.3210, 0.1542



1.4486, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 76.3123, 0.3043, 0.5078 looks on a white background.

Color Contrast Check

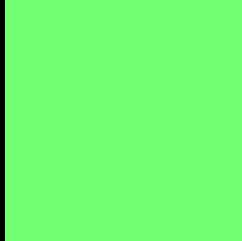
Large Text (above 18pt) WCAG AA × Fail

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 76.3123, 0.3043, 0.5078 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

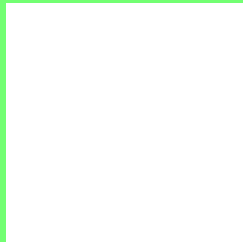
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.3123, 0.3043, 0.5078

Background



This preview shows how black text looks on a background with the Yxy color 76.3123, 0.3043, 0.5078.

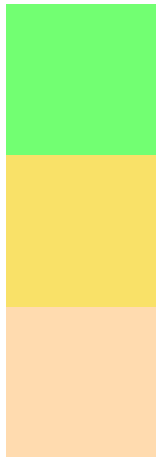


This preview shows how white text looks on a background with the Yxy color 76.3123, 0.3043, 0.5078.

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

76.3123, 0.3043, 0.5078

Protanopia

74.9896, 0.4090, 0.4479

Deuteranopia

75.0182, 0.3707, 0.3743



Tritanopia

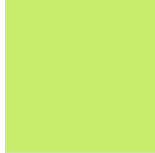
75.7400, 0.2573, 0.3097

Trichromacy



Original Color

76.3123, 0.3043, 0.5078



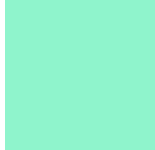
Protanomaly

73.3530, 0.3641, 0.4725



Deuteranomaly

72.8505, 0.3431, 0.4201



Tritanomaly

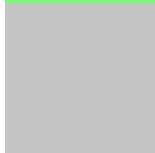
74.9006, 0.2754, 0.3779

Monochromacy



Original Color

76.3123, 0.3043, 0.5078



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.1483, 0.3096, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3123, 0.3043, 0.5078 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(114, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 255, 114) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 76.3123, 0.3043, 0.5078 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(114, 255, 114) }
```

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

```
.border{ border-color:rgb(114, 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(114, 255, 114)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 76.3123, 0.3043, 0.5078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 114) }
```

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

```
.background{ background-color: rgb(114,  
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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