

Converting Colors

$Yxy(90.2517, 0.3170, 0.5167)$

Have a look what the booklet for
Yxy(90.2517, 0.3170, 0.5167)
contains.

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Color

Yxy(78.1996, 0.3193, 0.5062)

Conversions

Conversions Part 1

Format	Color
Hex	8CFF6D
RGB	140, 255, 109
RGB Percent	55%, 100%, 43%
CMY	0.4512, 0.0000, 0.5726
CMYK	0.45, 0.00, 0.57, 0.00
HSL	107°, 100%, 71%
HSV	107°, 57%, 100%
XYZ	49.3266, 78.1996, 26.9574
YIQ	203.9710, -21.6740, -69.7860

Conversions

Conversions Part 2

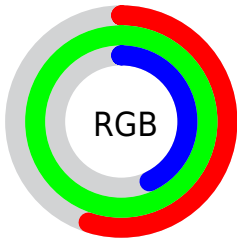
Format	Color
RYB	109, 255, 224
Decimal	9240429
CIELab	90.87, -58.84, 58.68
CIELCh	91, 83.099, 135.082
Yxy	78.1996, 0.3193, 0.5062
Android (android.graphics.Color)	4287430509 (0xFF8CFF6D)
YUV	203.9710, -46.8207, -56.1026
Hunter-Lab	88.4305, -55.1860, 43.8273

Details

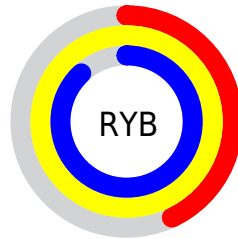
The Yxy color **78.1996, 0.3193, 0.5062** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **34.0101, 0.2909, 0.1823**, and the grayscale version is **60.6616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4797, 0.3296, 0.4301**, and **41.8611, 0.3138, 0.5506** is the 20% darker color. If you saturate the color by 10%, you get **76.1337, 0.3178, 0.5369**, and if you desaturate by 10%, it is **80.7315, 0.3197, 0.4728**.

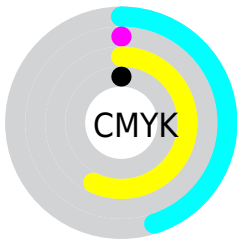
Distribution



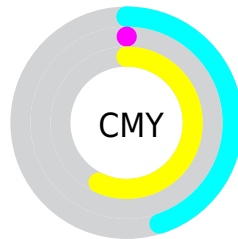
- Red (55%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (88%)



- Cyan (45%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1996, 0.3193, 0.5062 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 78.1996, 0.3193, 0.5062 by changing the saturation by 10% instead.


 78.1996, 0.3193,
0.5062


 78.1996, 0.3193,
0.5062


488.8444, 0.3216,
0.4198


 58.2380, 0.3172,
0.5264


 130.8315, 0.3213,
0.4757


 42.0000, 0.3137,
0.5512


 164.2705, 0.3218,
0.4640

 29.1013, 0.3079,
0.5824


 202.9707, 0.3220,
0.4539

 19.1574, 0.2979,
0.6219

 247.3166, 0.3220,
0.4452

 11.7841, 0.2805,
0.6724

297.6925, 0.3220,
0.4376

 6.5968, 0.2528,
0.7472


354.4829, 0.3219,


 3.2113, 0.1913,


0.4310


0.8087


418.0720, 0.3218,
0.4250


 1.2430, 0.0000,
1.0000


 0.0964, 0.0000,
1.0000

 78.1996, 0.3193,
0.5062


 78.1996, 0.3193,
0.5062


 76.1337, 0.3178,
0.5369

 80.7315, 0.3197,
0.4728


 74.5201, 0.3152,
0.5626


 83.7759, 0.3192,
0.4388

 73.3172, 0.3117,
0.5814

 87.3531, 0.3180,
0.4059

 72.4821, 0.3077,
0.5925

 91.4874, 0.3163,
0.3752

 72.3056, 0.3067,
0.5947

 96.2017, 0.3143,
0.3474

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.



78.1996, 0.4076, 0.4954



78.1996, 0.3193, 0.5062



78.1996, 0.2340, 0.4373

Triad

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



78.1996, 0.3193, 0.5062



78.1996, 0.1633, 0.1981



78.1996, 0.4680, 0.3042

Complementary

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



78.1996, 0.3193, 0.5062



34.0101, 0.2909, 0.1823

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.



78.1996, 0.3798, 0.2467



78.1996, 0.3193, 0.5062



78.1996, 0.2054, 0.1883

Square

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



78.1996, 0.3193, 0.5062



78.1996, 0.1528, 0.2420



78.1996, 0.2806, 0.2058



78.1996, 0.5034, 0.3697

Rectangle

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



78.1996, 0.3193, 0.5062



78.1996, 0.1908, 0.3637



78.1996, 0.2806, 0.2058



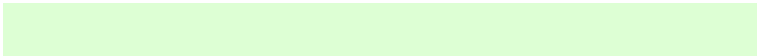
78.1996, 0.4428, 0.2838

Sweetspot

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



78.1936, 0.3193, 0.5062



91.6026, 0.3163, 0.3745



75.3338, 0.4119, 0.4403



19.4185, 0.3166, 0.3804



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.



78.1936, 0.3193, 0.5062



75.8218, 0.3174, 0.5418



76.9839, 0.2868, 0.4639



20.3536, 0.3148, 0.3533



37.8327, 0.3075, 0.5941



3.7282, 0.3146, 0.5884

Inverse Universe

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



34.0101, 0.2909, 0.1823



27.6795, 0.2844, 0.1585



37.0306, 0.3602, 0.2268



18.0947, 0.3104, 0.3053



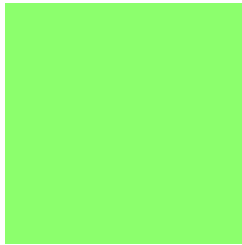
10.3246, 0.2676, 0.1248



1.0515, 0.2740, 0.1283

Previews

White Background



This preview shows how the Yxy color 78.1996, 0.3193, 0.5062 looks on a white background.

Color Contrast Check

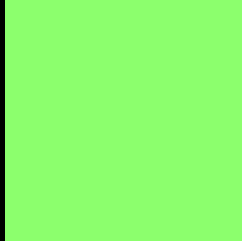
Large Text (above 18pt) WCAG AA × Fail

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 78.1996, 0.3193, 0.5062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

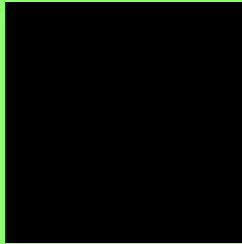
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

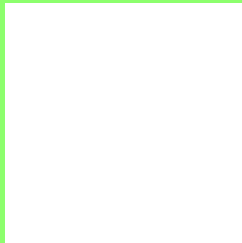
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1996, 0.3193, 0.5062

Background



This preview shows how black text looks on a background with the Yxy color 78.1996, 0.3193, 0.5062.

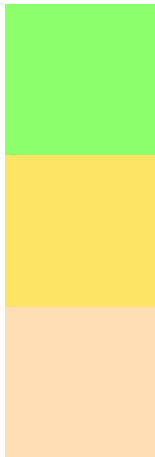


This preview shows how white text looks on a background with the Yxy color 78.1996, 0.3193, 0.5062.

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

78.1996, 0.3193, 0.5062

Protanopia

77.3090, 0.4119, 0.4510

Deuteranopia

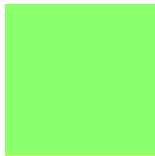
76.8800, 0.3648, 0.3700



Tritanopia

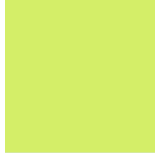
77.5992, 0.2659, 0.3101

Trichromacy



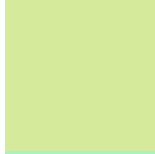
Original Color

78.1996, 0.3193, 0.5062



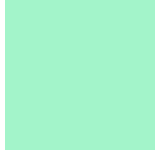
Protanomaly

76.1456, 0.3741, 0.4730



Deuteranomaly

75.3583, 0.3480, 0.4178



Tritanomaly

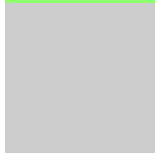
76.7522, 0.2870, 0.3790

Monochromacy



Original Color

78.1996, 0.3193, 0.5062



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.4637, 0.3179, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1996, 0.3193, 0.5062 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(140, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 109)  
}
```

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(140, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 109) }
```

Border

The CSS property to change the border of an element to Yxy 78.1996, 0.3193, 0.5062 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(140, 255, 109) }
```

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

```
.border{ border-color:rgb(140, 255, 109) }
```

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

Here you see how a box with a 4 pixel rgb(140, 255, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1996, 0.3193, 0.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 109) }
```

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

```
.background{ background-color: rgb(140,  
255, 109) }
```

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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