

Converting Colors

Yxy(80.3213, 0.3358, 0.5053)

Have a look what the booklet for
Yxy(80.3213, 0.3358, 0.5053)
contains.

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Color

Yxy(80.3718, 0.3361, 0.5051)

Conversions

Conversions Part 1

Format	Color
Hex	A4FF66
RGB	164, 255, 102
RGB Percent	64%, 100%, 40%
CMY	0.3566, 0.0000, 0.5999
CMYK	0.36, 0.00, 0.60, 0.00
HSL	96°, 100%, 70%
HSV	96°, 60%, 100%
XYZ	53.4804, 80.3718, 25.2683
YIQ	210.3490, -5.1230, -66.8750

Conversions

Conversions Part 2

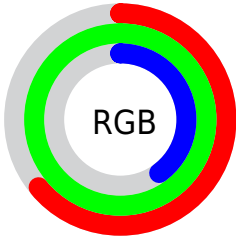
Format	Color
RYB	102, 255, 193
Decimal	10813286
CIELab	91.85, -52.09, 63.05
CIElCh	92, 81.783, 129.566
Yxy	80.3718, 0.3361, 0.5051
Android (android.graphics.Color)	4289003366 (0xFFA4FF66)
YUV	210.3490, -53.4161, -40.6481
Hunter-Lab	89.6503, -50.4048, 46.0441

Details

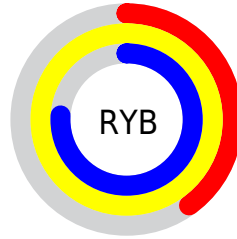
The Yxy color **80.3718, 0.3361, 0.5051** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **28.0543, 0.2626, 0.1646**, and the grayscale version is **65.0644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6766, 0.3481, 0.4314**, and **43.6342, 0.3340, 0.5480** is the 20% darker color. If you saturate the color by 10%, you get **78.4262, 0.3357, 0.5322**, and if you desaturate by 10%, it is **82.6720, 0.3347, 0.4749**.

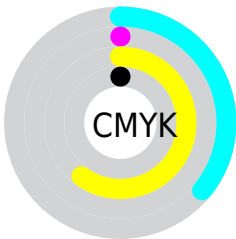
Distribution



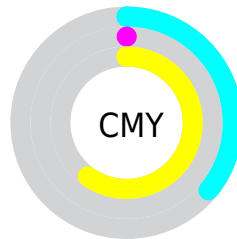
- Red (64%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3718, 0.3361, 0.5051 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 80.3718, 0.3361, 0.5051 by changing the saturation by 10% instead.


 80.3718, 0.3361,
0.5051


 80.3718, 0.3361,
0.5051


496.1849, 0.3310,
0.4208


 60.0244, 0.3355,
0.5242


 133.8883, 0.3357,
0.4758


 43.4383, 0.3338,
0.5476


 167.8262, 0.3351,
0.4643

 30.2291, 0.3302,
0.5763


 207.0630, 0.3345,
0.4545

 20.0126, 0.3229,
0.6118

 251.9832, 0.3338,
0.4460

 12.4042, 0.3092,
0.6571

302.9710, 0.3331,
0.4385

 7.0196, 0.2841,
0.7159

360.4110, 0.3324,

 3.4743, 0.2306,

0.4319

0.7694

424.6875, 0.3317,
0.4260

1.3841, 0.0000,
1.0000

0.2050, 0.0000,
1.0000

80.3718, 0.3361,
0.5051

80.3718, 0.3361,
0.5051

78.4262, 0.3357,
0.5322

82.6720, 0.3347,
0.4749

76.8034, 0.3333,
0.5546


85.3358, 0.3318,
0.4434


75.4820, 0.3290,
0.5710

88.3843, 0.3278,
0.4122

74.4257, 0.3234,
0.5814

91.8338, 0.3231,
0.3823

 74.4249, 0.3234,
0.5814

 95.6998, 0.3180,
0.3544

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



80.3718, 0.4206, 0.4837



80.3718, 0.3361, 0.5051



80.3718, 0.2501, 0.4517

Triad

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



80.3718, 0.3361, 0.5051



80.3718, 0.1620, 0.2061



80.3718, 0.4513, 0.2939

Complementary

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



80.3718, 0.3361, 0.5051



28.0543, 0.2626, 0.1646

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.



80.3718, 0.3599, 0.2396



80.3718, 0.3361, 0.5051



80.3718, 0.1976, 0.1907

Square

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



80.3718, 0.3361, 0.5051



80.3718, 0.1575, 0.2565



80.3718, 0.2656, 0.2032



80.3718, 0.4975, 0.3574

Rectangle

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



80.3718, 0.3361, 0.5051



80.3718, 0.2038, 0.3832



80.3718, 0.2656, 0.2032



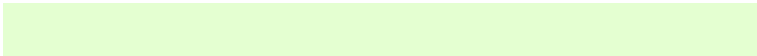
80.3718, 0.4240, 0.2743

Sweetspot

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



80.3753, 0.3361, 0.5051



92.5768, 0.3221, 0.3766



59.5900, 0.4367, 0.4176



19.5862, 0.3236, 0.3850



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.



80.3753, 0.3361, 0.5051



78.0804, 0.3353, 0.5372



75.5731, 0.2989, 0.5096



20.5278, 0.3177, 0.3531



38.9731, 0.3246, 0.5805



3.8565, 0.3334, 0.5735

Inverse Universe

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



28.0543, 0.2626, 0.1646



21.5429, 0.2493, 0.1368



37.1902, 0.3312, 0.1985



17.9114, 0.3073, 0.3051



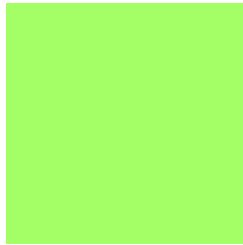
7.3274, 0.2217, 0.0995



0.7773, 0.2327, 0.1056

Previews

White Background



This preview shows how the Yxy color 80.3718, 0.3361, 0.5051 looks on a white background.

Color Contrast Check

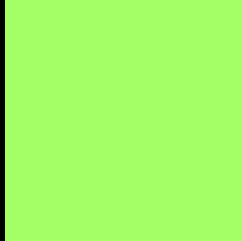
Large Text (above 18pt) WCAG AA × Fail

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 80.3718, 0.3361, 0.5051 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

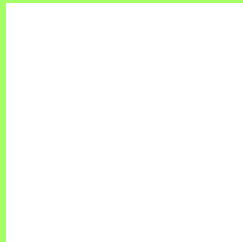
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3718, 0.3361, 0.5051

Background



This preview shows how black text looks on a background with the Yxy color 80.3718, 0.3361, 0.5051.

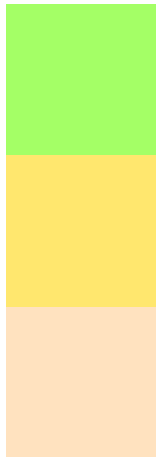


This preview shows how white text looks on a background with the Yxy color 80.3718, 0.3361, 0.5051.

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

80.3718, 0.3361, 0.5051

Protanopia

79.5376, 0.4070, 0.4457

Deuteranopia

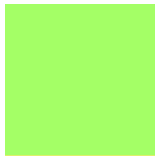
79.4143, 0.3574, 0.3647



Tritanopia

79.8384, 0.2758, 0.3107

Trichromacy



Original Color

80.3718, 0.3361, 0.5051



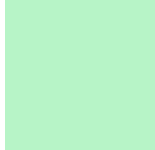
Protanomaly

78.9113, 0.3792, 0.4680



Deuteranomaly

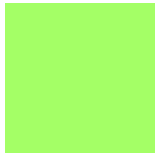
78.6012, 0.3514, 0.4143



Tritanomaly

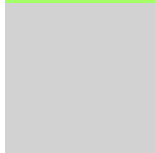
78.8922, 0.3003, 0.3810

Monochromacy



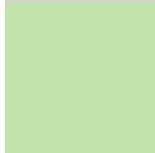
Original Color

80.3718, 0.3361, 0.5051



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.6704, 0.3249, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3718, 0.3361, 0.5051 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(164, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 80.3718, 0.3361, 0.5051 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(164, 255, 102) }
```

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

```
.border{ border-color:rgb(164, 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(164, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3718, 0.3361, 0.5051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 102) }
```

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

```
.background{ background-color: rgb(164,  
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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