

Converting Colors

Yxy(80.1116, 0.3062, 0.4571)

Have a look what the booklet for
Yxy(80.1116, 0.3062, 0.4571)
contains.

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Color

Yxy(80.1116, 0.3062, 0.4571)

Conversions

Conversions Part 1

Format	Color
Hex	95FF96
RGB	149, 255, 150
RGB Percent	58%, 100%, 59%
CMY	0.4155, 0.0000, 0.4118
CMYK	0.42, 0.00, 0.41, 0.00
HSL	121°, 100%, 79%
HSV	121°, 42%, 100%
XYZ	53.6648, 80.1116, 41.4842
YIQ	211.3360, -29.4710, -55.1270

Conversions

Conversions Part 2

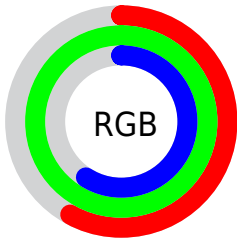
Format	Color
RYB	149, 254, 255
Decimal	9830294
CIELab	91.73, -51.12, 40.76
CIELCh	92, 65.379, 141.432
Yxy	80.1116, 0.3062, 0.4571
Android (android.graphics.Color)	4288020374 (0xFF95FF96)
YUV	211.3360, -30.2386, -54.6687
Hunter-Lab	89.5051, -49.6102, 35.1736

Details

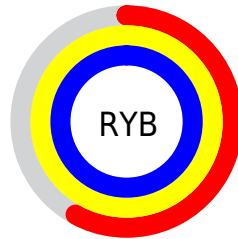
The Yxy color **80.1116, 0.3062, 0.4571** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.9282, 0.3183, 0.2274**, and the grayscale version is **65.6016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1932, 0.3114, 0.3830**, and **43.0197, 0.3015, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **77.2442, 0.3045, 0.4931**, and if you desaturate by 10%, it is **83.6864, 0.3079, 0.4218**.

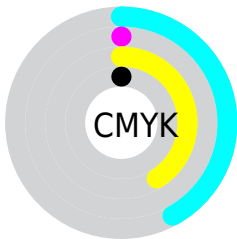
Distribution



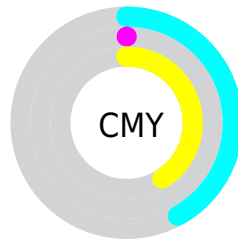
- Red (58%)
- Green (100%)
- Blue (59%)



- Red (58%)
- Yellow (100%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1116, 0.3062, 0.4571 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 80.1116, 0.3062, 0.4571 by changing the saturation by 10% instead.

 80.1116, 0.3062,
0.4571


 80.1116, 0.3062,
0.4571


495.3089, 0.3117,
0.3948

 59.8102, 0.3043,
0.4719


 133.5226, 0.3087,
0.4350

 43.2657, 0.3015,
0.4904


 167.4010, 0.3095,
0.4266

 30.0936, 0.2973,
0.5140

206.5739, 0.3101,
0.4193

 19.9097, 0.2909,
0.5453

251.4256, 0.3106,
0.4131

 12.3294, 0.2803,
0.5879

302.3406, 0.3110,
0.4077

 6.9684, 0.2614,
0.6479


359.7032, 0.3113,


 3.4424, 0.2346,


0.4029


0.7654


423.8978, 0.3115,
0.3986

 1.3668, 0.0000,
1.0000


 0.1921, 0.0000,
1.0000


 80.1116, 0.3062,
0.4571


 80.1116, 0.3062,
0.4571


 77.2442, 0.3045,
0.4931

 83.6864, 0.3079,
0.4218


 75.0280, 0.3029,
0.5275

 88.0002, 0.3096,
0.3888

 73.4149, 0.3015,
0.5574

 93.0952, 0.3111,
0.3590

 72.3457, 0.3006,
0.5801

 99.0071, 0.3125,
0.3328

■ 71.7493, 0.3001,
0.5941

99.9994, 0.3127,
0.3290

■ 71.5244, 0.2999,
0.5996

Harmonies

Analogous

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



80.1116, 0.3787, 0.4668



80.1116, 0.3062, 0.4571



80.1116, 0.2394, 0.3949

Triad

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



80.1116, 0.3062, 0.4571



80.1116, 0.1956, 0.2193



80.1116, 0.4442, 0.3230

Complementary

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



80.1116, 0.3062, 0.4571



49.9282, 0.3183, 0.2274

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.



80.1116, 0.3824, 0.2721



80.1116, 0.3062, 0.4571



80.1116, 0.2375, 0.2149

Square

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



80.1116, 0.3062, 0.4571



80.1116, 0.1813, 0.2513



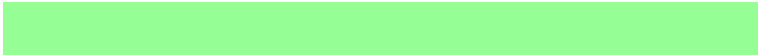
80.1116, 0.3042, 0.2339



80.1116, 0.4638, 0.3791

Rectangle

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



80.1116, 0.3062, 0.4571



80.1116, 0.2069, 0.3399



80.1116, 0.3042, 0.2339



80.1116, 0.4274, 0.3051

Sweetspot

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



80.1150, 0.3062, 0.4571



92.8497, 0.3111, 0.3603



94.9506, 0.3750, 0.4320



19.7225, 0.3109, 0.3640



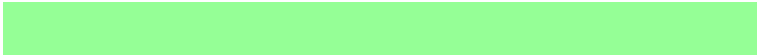
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

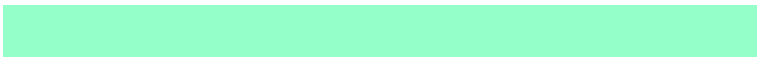
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1150, 0.3062, 0.4571



77.6459, 0.3047, 0.4876



82.1785, 0.2806, 0.3920



20.1708, 0.3114, 0.3534



37.3745, 0.2998, 0.5995



3.6399, 0.2995, 0.5982

Inverse Universe

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



49.9282, 0.3183, 0.2274



43.7151, 0.3194, 0.2091



47.0344, 0.3657, 0.2745



18.2974, 0.3140, 0.3058



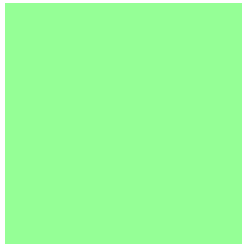
14.8065, 0.3232, 0.1554



1.4425, 0.3229, 0.1552

Previews

White Background



This preview shows how the Yxy color 80.1116, 0.3062, 0.4571 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 80.1116, 0.3062, 0.4571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

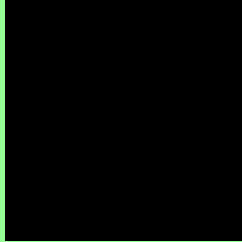
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

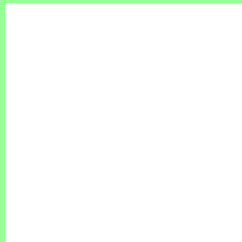
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1116, 0.3062, 0.4571

Background



This preview shows how black text looks on a background with the Yxy color 80.1116, 0.3062, 0.4571.



This preview shows how white text looks on a background with the Yxy color 80.1116, 0.3062, 0.4571.

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

80.1116, 0.3062, 0.4571

Protanopia

78.9963, 0.3872, 0.4201

Deuteranopia

79.0959, 0.3542, 0.3586



Tritanopia

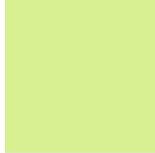
79.3921, 0.2714, 0.3115

Trichromacy



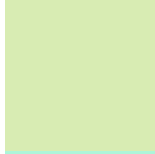
Original Color

80.1116, 0.3062, 0.4571



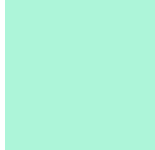
Protanomaly

78.0428, 0.3540, 0.4341



Deuteranomaly

77.8445, 0.3348, 0.3922



Tritanomaly

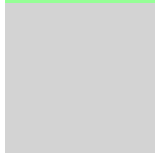
79.1988, 0.2847, 0.3612

Monochromacy



Original Color

80.1116, 0.3062, 0.4571



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3037, 0.3099, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1116, 0.3062, 0.4571 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(149, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 150)  
}
```

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(149, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 80.1116, 0.3062, 0.4571 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(149, 255, 150) }
```

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

```
.border{ border-color:rgb(149, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1116, 0.3062, 0.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 150) }
```

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

```
.background{ background-color: rgb(149,  
255, 150) }
```

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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