

Converting Colors

Yxy(87.9065, 0.3331, 0.5090)

Have a look what the booklet for
Yxy(87.9065, 0.3331, 0.5090)
contains.

Yxy(80.5393, 0.3355, 0.5020)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.5393, 0.3355, 0.5020)

Conversions

Conversions Part 1

Format	Color
Hex	A5FF69
RGB	165, 255, 105
RGB Percent	65%, 100%, 41%
CMY	0.3529, 0.0000, 0.5883
CMYK	0.35, 0.00, 0.59, 0.00
HSL	96°, 100%, 71%
HSV	96°, 59%, 100%
XYZ	53.8266, 80.5393, 26.0710
YIQ	210.9900, -5.4900, -65.7300

Conversions

Conversions Part 2

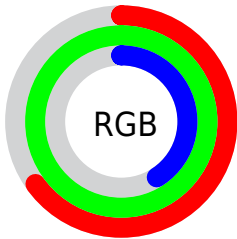
Format	Color
RYB	105, 255, 195
Decimal	10878825
CIELab	91.93, -51.53, 61.89
CIElCh	92, 80.530, 129.781
Yxy	80.5393, 0.3355, 0.5020
Android (android.graphics.Color)	4289068905 (0xFFA5FF69)
YUV	210.9900, -52.2531, -40.3332
Hunter-Lab	89.7437, -49.9905, 45.5965

Details

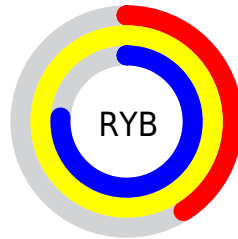
The Yxy color **80.5393, 0.3355, 0.5020** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **28.9238, 0.2647, 0.1679**, and the grayscale version is **65.4882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9405, 0.3471, 0.4281**, and **43.7274, 0.3335, 0.5443** is the 20% darker color. If you saturate the color by 10%, you get **78.5474, 0.3352, 0.5297**, and if you desaturate by 10%, it is **82.8844, 0.3340, 0.4715**.

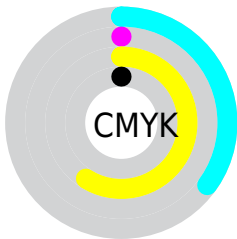
Distribution



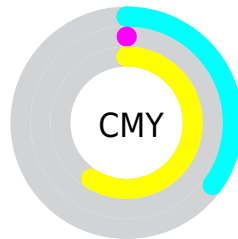
- Red (65%)
- Green (100%)
- Blue (41%)



- Red (41%)
- Yellow (100%)
- Blue (76%)



- Cyan (35%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5393, 0.3355, 0.5020 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 80.5393, 0.3355, 0.5020 by changing the saturation by 10% instead.


 80.5393, 0.3355,
0.5020


 80.5393, 0.3355,
0.5020


496.7485, 0.3305,
0.4191

 60.1622, 0.3350,
0.5209


 134.1237, 0.3350,
0.4731


 43.5494, 0.3334,
0.5438


 168.0998, 0.3345,
0.4619

 30.3164, 0.3300,
0.5722


 207.3778, 0.3338,
0.4523

 20.0789, 0.3231,
0.6075

 252.3419, 0.3331,
0.4439

 12.4524, 0.3098,
0.6521

303.3767, 0.3325,
0.4365

 7.0526, 0.2867,
0.7133


360.8664, 0.3318,


 3.4950, 0.2339,


0.4300


0.7661


425.1955, 0.3311,
0.4243


 1.3953, 0.0000,
1.0000

 0.2133, 0.0000,
1.0000


 80.5393, 0.3355,
0.5020


 80.5393, 0.3355,
0.5020


 78.5474, 0.3352,
0.5297


 82.8844, 0.3340,
0.4715


 76.8877, 0.3330,
0.5528


 85.6023, 0.3310,
0.4399


 75.5354, 0.3289,
0.5699

 88.7105, 0.3270,
0.4087

 74.4578, 0.3234,
0.5808

 92.2256, 0.3223,
0.3790

 74.3451, 0.3228,
0.5819

 96.1629, 0.3173,
0.3513

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.



80.5393, 0.4189, 0.4821



80.5393, 0.3355, 0.5020



80.5393, 0.2506, 0.4488

Triad

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



80.5393, 0.3355, 0.5020



80.5393, 0.1640, 0.2076



80.5393, 0.4497, 0.2949

Complementary

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



80.5393, 0.3355, 0.5020



28.9238, 0.2647, 0.1679

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.



80.5393, 0.3600, 0.2411



80.5393, 0.3355, 0.5020



80.5393, 0.1995, 0.1924

Square

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



80.5393, 0.3355, 0.5020



80.5393, 0.1594, 0.2573



80.5393, 0.2670, 0.2050



80.5393, 0.4948, 0.3579

Rectangle

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



80.5393, 0.3355, 0.5020



80.5393, 0.2050, 0.3816



80.5393, 0.2670, 0.2050



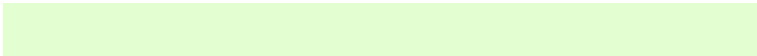
80.5393, 0.4229, 0.2756

Sweetspot

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



80.5392, 0.3355, 0.5020



92.5343, 0.3219, 0.3766



60.1983, 0.4339, 0.4162



19.5759, 0.3234, 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.



80.5392, 0.3355, 0.5020



78.1590, 0.3349, 0.5351



75.8191, 0.2990, 0.5058



20.5226, 0.3176, 0.3531



38.9279, 0.3240, 0.5810



3.8518, 0.3327, 0.5740

Inverse Universe

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



28.9238, 0.2647, 0.1679



22.1263, 0.2514, 0.1393



37.8032, 0.3308, 0.2004



17.9167, 0.3074, 0.3051



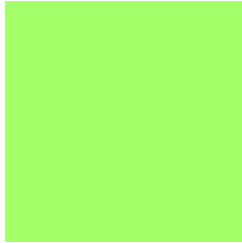
7.4003, 0.2230, 0.1002



0.7841, 0.2338, 0.1062

Previews

White Background



This preview shows how the Yxy color 80.5393, 0.3355, 0.5020 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 80.5393, 0.3355, 0.5020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

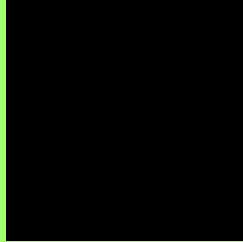
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

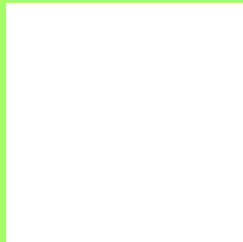
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5393, 0.3355, 0.5020

Background



This preview shows how black text looks on a background with the Yxy color 80.5393, 0.3355, 0.5020.



This preview shows how white text looks on a background with the Yxy color 80.5393, 0.3355, 0.5020.

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

80.5393, 0.3355, 0.5020

Protanopia

79.5817, 0.4060, 0.4441

Deuteranopia

79.4585, 0.3567, 0.3636



Tritanopia

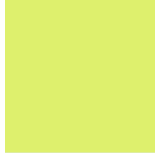
79.9712, 0.2763, 0.3107

Trichromacy



Original Color

80.5393, 0.3355, 0.5020



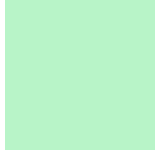
Protanomaly

78.9539, 0.3782, 0.4663



Deuteranomaly

78.6360, 0.3508, 0.4132



Tritanomaly

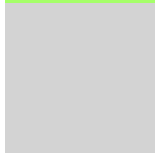
79.0618, 0.3004, 0.3797

Monochromacy



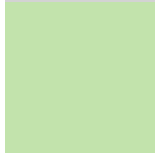
Original Color

80.5393, 0.3355, 0.5020



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3861, 0.3249, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5393, 0.3355, 0.5020 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(165, 255, 105)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 105)  
}
```

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(165, 255, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 105) }
```

Border

The CSS property to change the border of an element to Yxy 80.5393, 0.3355, 0.5020 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(165, 255, 105) }
```

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

```
.border{ border-color:rgb(165, 255, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 105);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5393, 0.3355, 0.5020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 105) }
```

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

```
.background{ background-color: rgb(165,  
255, 105) }
```

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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