

Converting Colors

$Yxy(77.0995, 0.3052, 0.4482)$

Have a look what the booklet for
Yxy(77.0995, 0.3052, 0.4482)
contains.

Yxy(77.1552, 0.3054, 0.4488)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.1552, 0.3054, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	96FA99
RGB	150, 250, 153
RGB Percent	59%, 98%, 60%
CMY	0.4120, 0.0195, 0.4000
CMYK	0.40, 0.00, 0.39, 0.02
HSL	122°, 91%, 78%
HSV	122°, 40%, 98%
XYZ	52.5027, 77.1552, 42.2566
YIQ	209.0420, -28.4630, -51.3670

Conversions

Conversions Part 2

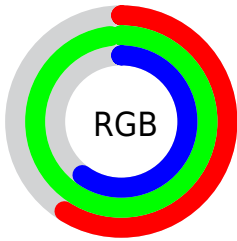
Format	Color
RYB	150, 247, 250
Decimal	9894553
CIELab	90.39, -48.34, 37.55
CIElCh	90, 61.211, 142.158
Yxy	77.1552, 0.3054, 0.4488
Android (android.graphics.Color)	4288084633 (0xFF96FA99)
YUV	209.0420, -27.6287, -51.7798
Hunter-Lab	87.8380, -47.0233, 32.9638

Details

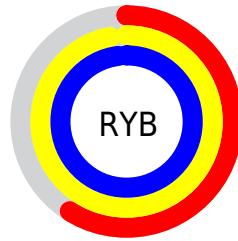
The Yxy color **77.1552, 0.3054, 0.4488** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.8306, 0.3199, 0.2328**, and the grayscale version is **63.9780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4840, 0.3103, 0.3796**, and **41.4067, 0.3006, 0.4799** is the 20% darker color. If you saturate the color by 10%, you get **74.3144, 0.3035, 0.4842**, and if you desaturate by 10%, it is **80.6710, 0.3073, 0.4145**.

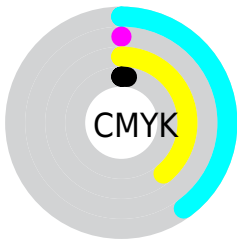
Distribution



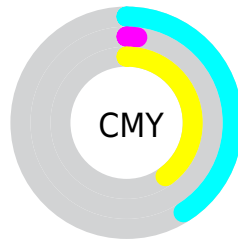
- Red (59%)
- Green (98%)
- Blue (60%)



- Red (59%)
- Yellow (97%)
- Blue (98%)



- Cyan (40%)
- Magenta (0%)
- Yellow (39%)
- Black (2%)





- Cyan (41%)
- Magenta (2%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1552, 0.3054, 0.4488 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 77.1552, 0.3054, 0.4488 by changing the saturation by 10% instead.


 77.1552, 0.3054,
0.4488


 77.1552, 0.3054,
0.4488


485.2930, 0.3110,
0.3903

 57.3803, 0.3035,
0.4628

 129.3585, 0.3078,
0.4280

 41.3106, 0.3008,
0.4804


 162.5557, 0.3086,
0.4200

 28.5619, 0.2969,
0.5030


200.9958, 0.3092,
0.4132

 18.7496, 0.2908,
0.5331

245.0631, 0.3097,
0.4074

 11.4895, 0.2808,
0.5746

295.1421, 0.3102,
0.4023

 6.3971, 0.2628,
0.6341


351.6172, 0.3105,


 3.0880, 0.2394,


0.3978


0.7606


414.8727, 0.3108,
0.3939


 1.1779, 0.0000,
1.0000


 0.0435, 0.0000,
1.0000


 77.1552, 0.3054,
0.4488


 77.1552, 0.3054,
0.4488


 74.3144, 0.3035,
0.4842

 80.6710, 0.3073,
0.4145


 72.0966, 0.3019,
0.5187

 84.8907, 0.3092,
0.3827

 70.4575, 0.3006,
0.5495

 89.8533, 0.3111,
0.3542

 69.3435, 0.2999,
0.5741

 95.5922, 0.3127,
0.3291

■ 68.6903, 0.2996,
0.5906

■ 96.8614, 0.3129,
0.3243

■ 68.3981, 0.2996,
0.5987

Harmonies

Analogous

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



77.1552, 0.3746, 0.4601



77.1552, 0.3054, 0.4488



77.1552, 0.2419, 0.3894

Triad

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



77.1552, 0.3054, 0.4488



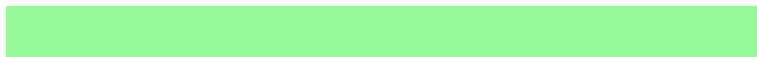
77.1552, 0.2015, 0.2240



77.1552, 0.4384, 0.3251

Complementary

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



77.1552, 0.3054, 0.4488



48.8306, 0.3199, 0.2328

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.



77.1552, 0.3807, 0.2759



77.1552, 0.3054, 0.4488



77.1552, 0.2424, 0.2201

Square

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



77.1552, 0.3054, 0.4488



77.1552, 0.1871, 0.2543



77.1552, 0.3066, 0.2388



77.1552, 0.4562, 0.3790

Rectangle

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



77.1552, 0.3054, 0.4488



77.1552, 0.2111, 0.3379



77.1552, 0.3066, 0.2388



77.1552, 0.4228, 0.3079

Sweetspot

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



77.1584, 0.3054, 0.4488



92.8858, 0.3107, 0.3596



90.6013, 0.3716, 0.4288



19.7309, 0.3105, 0.3632



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.



77.1584, 0.3054, 0.4488



78.2613, 0.3039, 0.4772



79.1062, 0.2807, 0.3871



19.3178, 0.3111, 0.3528



36.2789, 0.2995, 0.5981



3.3630, 0.2982, 0.5935

Inverse Universe

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



48.8306, 0.3199, 0.2328



44.9072, 0.3214, 0.2153



46.2091, 0.3646, 0.2782



17.5149, 0.3143, 0.3063



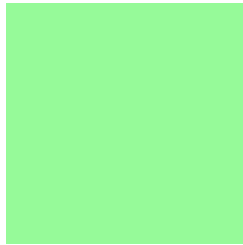
14.1966, 0.3287, 0.1584



1.3177, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 77.1552, 0.3054, 0.4488 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 77.1552, 0.3054, 0.4488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

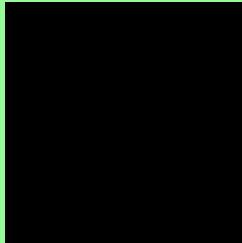
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1552, 0.3054, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 77.1552, 0.3054, 0.4488.

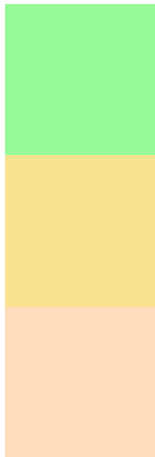


This preview shows how white text looks on a background with the Yxy color 77.1552, 0.3054, 0.4488.

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

77.1552, 0.3054, 0.4488

Protanopia

75.9992, 0.3826, 0.4140

Deuteranopia

76.0343, 0.3618, 0.3629



Tritanopia

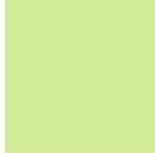
76.7870, 0.2647, 0.3090

Trichromacy



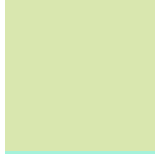
Original Color

77.1552, 0.3054, 0.4488



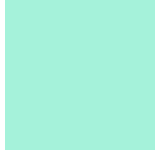
Protanomaly

75.3721, 0.3511, 0.4280



Deuteranomaly

74.9987, 0.3390, 0.3916



Tritanomaly

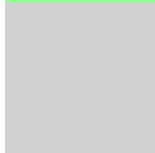
76.5655, 0.2794, 0.3570

Monochromacy



Original Color

77.1552, 0.3054, 0.4488



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.6768, 0.3101, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1552, 0.3054, 0.4488 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(150, 250, 153)` looks like.

```
.text, #text, p{  
    color:rgb(150, 250, 153)  
}
```

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(150, 250, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 250, 153) }
```

Border

The CSS property to change the border of an element to Yxy 77.1552, 0.3054, 0.4488 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(150, 250, 153) }
```

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

```
.border{ border-color:rgb(150, 250, 153) }
```

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

Here you see how a box with a 4 pixel rgb(150, 250, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 250, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 250, 153);  
box-shadow:4px 4px 4px 4px rgb(150, 250,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1552, 0.3054, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 250, 153) }
```

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

```
.background{ background-color: rgb(150,  
250, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor