

Converting Colors

$Yxy(75.1386, 0.3049, 0.4557)$

Have a look what the booklet for
Yxy(75.1386, 0.3049, 0.4557)
contains.

Yxy(75.1707, 0.3051, 0.4557)	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(75.1707, 0.3051, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	90F893
RGB	144, 248, 147
RGB Percent	56%, 97%, 58%
CMY	0.4355, 0.0274, 0.4235
CMYK	0.42, 0.00, 0.41, 0.03
HSL	122°, 88%, 77%
HSV	122°, 42%, 97%
XYZ	50.3282, 75.1707, 39.4576
YIQ	205.3900, -29.5630, -53.4590

Conversions

Conversions Part 2

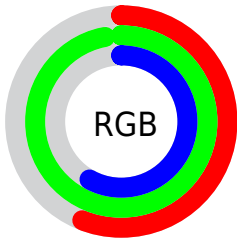
Format	Color
RYB	144, 245, 248
Decimal	9500819
CIELab	89.47, -50.12, 39.26
CIELCh	89, 63.663, 141.925
Yxy	75.1707, 0.3051, 0.4557
Android (android.graphics.Color)	4287690899 (0xFF90F893)
YUV	205.3900, -28.7863, -53.8390
Hunter-Lab	86.7010, -48.1111, 33.7079

Details

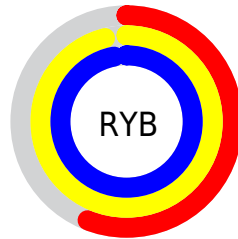
The Yxy color **75.1707, 0.3051, 0.4557** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.4803, 0.3201, 0.2284**, and the grayscale version is **61.5066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3408, 0.3100, 0.3869**, and **40.0663, 0.2997, 0.4894** is the 20% darker color. If you saturate the color by 10%, you get **72.5032, 0.3033, 0.4911**, and if you desaturate by 10%, it is **78.4931, 0.3070, 0.4210**.

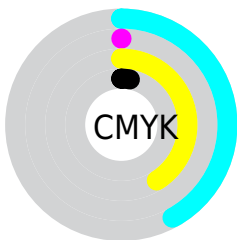
Distribution



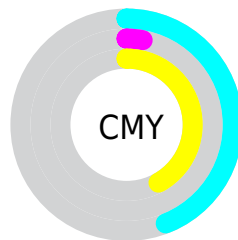
- Red (56%)
- Green (97%)
- Blue (58%)



- Red (56%)
- Yellow (96%)
- Blue (97%)



- Cyan (42%)
- Magenta (0%)
- Yellow (41%)
- Black (3%)




- Cyan (44%)
- Magenta (3%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.1707, 0.3051, 0.4557 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 75.1707, 0.3051, 0.4557 by changing the saturation by 10% instead.

 75.1707, 0.3051,
0.4557

 75.1707, 0.3051,
0.4557

478.5041, 0.3111,
0.3934

 55.7527, 0.3030,
0.4707


 126.5540, 0.3077,
0.4335

 40.0047, 0.3001,
0.4895


 159.2881, 0.3086,
0.4250

 27.5422, 0.2957,
0.5138


197.2297, 0.3093,
0.4178

 17.9809, 0.2888,
0.5462

240.7632, 0.3098,
0.4116

 10.9363, 0.2773,
0.5909

290.2730, 0.3102,
0.4061

 6.0240, 0.2568,
0.6553


346.1435, 0.3106,

 2.8597, 0.2240,


0.4014


0.7760


408.7590, 0.3109,
0.3972


 1.0589, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.1707, 0.3051,
0.4557


 75.1707, 0.3051,
0.4557


 72.5032, 0.3033,
0.4911


 78.4931, 0.3070,
0.4210


 70.4387, 0.3017,
0.5251

 82.4995, 0.3089,
0.3887

 68.9328, 0.3005,
0.5550

 87.2287, 0.3107,
0.3595

 67.9312, 0.2998,
0.5781

 92.7138, 0.3124,
0.3337

■ 67.3682, 0.2996,
0.5928

■ 95.6227, 0.3130,
0.3223

■ 67.1586, 0.2996,
0.5987

Harmonies

Analogous

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



75.1707, 0.3773, 0.4664



75.1707, 0.3051, 0.4557



75.1707, 0.2388, 0.3932

Triad

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



75.1707, 0.3051, 0.4557



75.1707, 0.1966, 0.2196



75.1707, 0.4442, 0.3240

Complementary

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



75.1707, 0.3051, 0.4557



46.4803, 0.3201, 0.2284

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.



75.1707, 0.3833, 0.2732



75.1707, 0.3051, 0.4557



75.1707, 0.2387, 0.2156

Square

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



75.1707, 0.3051, 0.4557



75.1707, 0.1819, 0.2510



75.1707, 0.3055, 0.2349



75.1707, 0.4629, 0.3799

Rectangle

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



75.1707, 0.3051, 0.4557



75.1707, 0.2068, 0.3386



75.1707, 0.3055, 0.2349



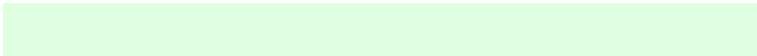
75.1707, 0.4277, 0.3062

Sweetspot

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



75.1739, 0.3051, 0.4557



92.3440, 0.3106, 0.3624



88.7980, 0.3742, 0.4332



19.5165, 0.3102, 0.3686



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.



75.1739, 0.3051, 0.4557



77.7155, 0.3036, 0.4845



77.1315, 0.2795, 0.3904



19.3175, 0.3112, 0.3528



36.2784, 0.2995, 0.5982



3.3628, 0.2983, 0.5938

Inverse Universe

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



46.4803, 0.3201, 0.2284



43.5501, 0.3216, 0.2111



43.7959, 0.3681, 0.2758



17.5153, 0.3143, 0.3063



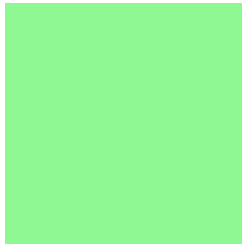
14.2067, 0.3284, 0.1583



1.3185, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 75.1707, 0.3051, 0.4557 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 75.1707, 0.3051, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

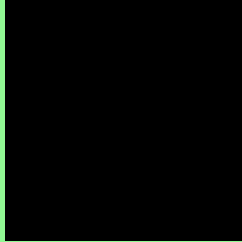
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.1707, 0.3051, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 75.1707, 0.3051, 0.4557.



This preview shows how white text looks on a background with the Yxy color 75.1707, 0.3051, 0.4557.

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

75.1707, 0.3051, 0.4557

Protanopia

74.3794, 0.3857, 0.4185

Deuteranopia

74.1001, 0.3691, 0.3692



Tritanopia

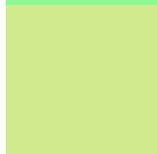
74.6794, 0.2608, 0.3075

Trichromacy



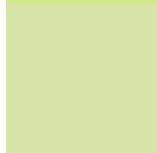
Original Color

75.1707, 0.3051, 0.4557



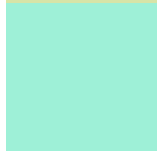
Protanomaly

73.6108, 0.3531, 0.4335



Deuteranomaly

72.7239, 0.3433, 0.3979



Tritanomaly

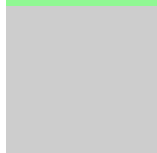
74.4956, 0.2770, 0.3587

Monochromacy



Original Color

75.1707, 0.3051, 0.4557



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.2409, 0.3099, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1707, 0.3051, 0.4557 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(144, 248, 147)` looks like.

```
.text, #text, p{  
    color:rgb(144, 248, 147)  
}
```

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(144, 248, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 248, 147) }
```

Border

The CSS property to change the border of an element to Yxy 75.1707, 0.3051, 0.4557 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(144, 248, 147) }
```

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

```
.border{ border-color:rgb(144, 248, 147) }
```

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

Here you see how a box with a 4 pixel rgb(144, 248, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 248, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 248, 147);  
box-shadow:4px 4px 4px 4px rgb(144, 248,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1707, 0.3051, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 248, 147) }
```

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

```
.background{ background-color: rgb(144,  
248, 147) }
```

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