

Converting Colors

$Yxy(75.3013, 0.3093, 0.4798)$

Have a look what the booklet for
Yxy(75.3013, 0.3093, 0.4798)
contains.

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Color

Yxy(75.3013, 0.3093, 0.4798)

Conversions

Conversions Part 1

Format	Color
Hex	89FA82
RGB	137, 250, 130
RGB Percent	54%, 98%, 51%
CMY	0.4624, 0.0196, 0.4901
CMYK	0.45, 0.00, 0.48, 0.02
HSL	116°, 92%, 75%
HSV	116°, 48%, 98%
XYZ	48.5425, 75.3013, 33.0993
YIQ	202.5330, -28.8280, -61.2760

Conversions

Conversions Part 2

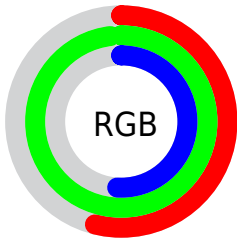
Format	Color
RYB	130, 250, 243
Decimal	9042562
CIELab	89.53, -55.22, 47.48
CIElCh	90, 72.825, 139.312
Yxy	75.3013, 0.3093, 0.4798
Android (android.graphics.Color)	4287232642 (0xFF89FA82)
YUV	202.5330, -35.7588, -57.4724
Hunter-Lab	86.7763, -52.0060, 38.1283

Details

The Yxy color **75.3013, 0.3093, 0.4798** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.9115, 0.3119, 0.2103**, and the grayscale version is **59.6696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7585, 0.3157, 0.4071**, and **40.2535, 0.3037, 0.5209** is the 20% darker color. If you saturate the color by 10%, you get **72.9349, 0.3078, 0.5147**, and if you desaturate by 10%, it is **78.2706, 0.3105, 0.4441**.

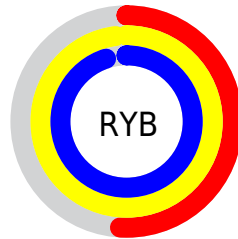
Distribution



Red (54%)

Green (98%)

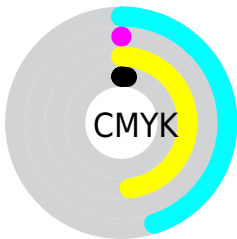
Blue (51%)



Red (51%)

Yellow (98%)

Blue (95%)

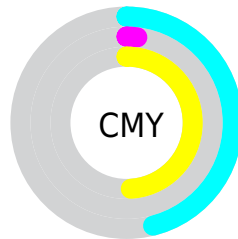


Cyan (45%)

Magenta (0%)

Yellow (48%)

Black (2%)



Cyan (46%)


Magenta (2%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3013, 0.3093, 0.4798 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 75.3013, 0.3093, 0.4798 by changing the saturation by 10% instead.


 75.3013, 0.3093,
0.4798


 75.3013, 0.3093,
0.4798


478.9525, 0.3145,
0.4055


 55.8598, 0.3071,
0.4976


 126.7388, 0.3119,
0.4533

 40.0905, 0.3037,
0.5199

 159.5035, 0.3127,
0.4432

 27.6091, 0.2984,
0.5484

 197.4781, 0.3133,
0.4345

 18.0312, 0.2899,
0.5858

241.0469, 0.3137,
0.4271

 10.9724, 0.2752,
0.6360

290.5944, 0.3140,
0.4207

 6.0483, 0.2533,
0.7181


346.5049, 0.3142,

 2.8745, 0.1975,


0.4150


0.8025


409.1628, 0.3144,
0.4100


 1.0665, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.3013, 0.3093,
0.4798


 75.3013, 0.3093,
0.4798


 72.9349, 0.3078,
0.5147


 78.2706, 0.3105,
0.4441


 71.1215, 0.3061,
0.5463


 81.8699, 0.3114,
0.4098


 69.8187, 0.3043,
0.5718


 86.1363, 0.3121,
0.3780

 68.9737, 0.3025,
0.5892

 91.1010, 0.3125,
0.3494

 68.5208, 0.3010,
0.5981

 96.7927, 0.3128,
0.3242

 68.4660, 0.3009,
0.5993

 96.8467, 0.3129,
0.3242

Harmonies

Analogous

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



75.3013, 0.3901, 0.4832



75.3013, 0.3093, 0.4798



75.3013, 0.2338, 0.4111

Triad

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



75.3013, 0.3093, 0.4798



75.3013, 0.1804, 0.2078



75.3013, 0.4586, 0.3164

Complementary

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



75.3013, 0.3093, 0.4798



41.9115, 0.3119, 0.2103

Split Complementary

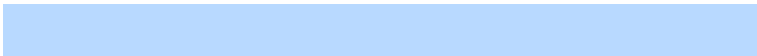
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.3013, 0.3854, 0.2616



75.3013, 0.3093, 0.4798



75.3013, 0.2238, 0.2017

Square

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



75.3013, 0.3093, 0.4798



75.3013, 0.1668, 0.2442



75.3013, 0.2963, 0.2211



75.3013, 0.4834, 0.3776

Rectangle

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



75.3013, 0.3093, 0.4798



75.3013, 0.1969, 0.3470



75.3013, 0.2963, 0.2211



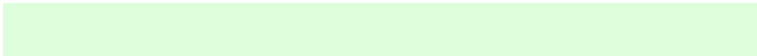
75.3013, 0.4384, 0.2970

Sweetspot

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



75.3045, 0.3093, 0.4798



92.0860, 0.3123, 0.3662



85.4355, 0.3871, 0.4397



19.4774, 0.3122, 0.3725



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.



75.3045, 0.3093, 0.4798



76.2842, 0.3078, 0.5149



76.4913, 0.2808, 0.4143



19.3580, 0.3125, 0.3535



36.3382, 0.3012, 0.5990



3.3822, 0.3042, 0.5966

Inverse Universe

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



41.9115, 0.3119, 0.2103



37.4001, 0.3111, 0.1895



40.3692, 0.3689, 0.2585



17.4694, 0.3129, 0.3056



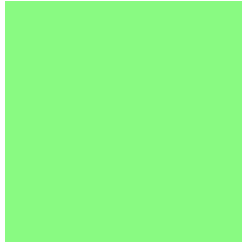
13.0761, 0.3062, 0.1460



1.2265, 0.3080, 0.1471

Previews

White Background



This preview shows how the Yxy color 75.3013, 0.3093, 0.4798 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 75.3013, 0.3093, 0.4798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

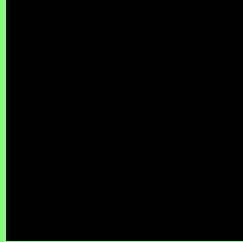
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

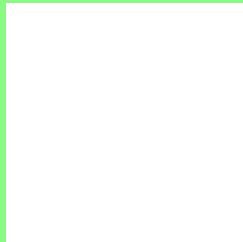
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.3013, 0.3093, 0.4798

Background



This preview shows how black text looks on a background with the Yxy color 75.3013, 0.3093, 0.4798.



This preview shows how white text looks on a background with the Yxy color 75.3013, 0.3093, 0.4798.

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

75.3013, 0.3093, 0.4798

Protanopia

74.2846, 0.3978, 0.4338

Deuteranopia

73.9809, 0.3713, 0.3723



Tritanopia

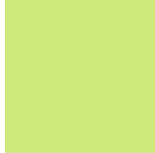
74.8923, 0.2584, 0.3075

Trichromacy



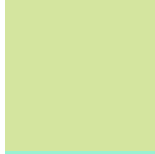
Original Color

75.3013, 0.3093, 0.4798



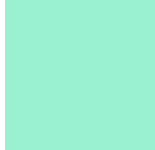
Protanomaly

72.8549, 0.3613, 0.4521



Deuteranomaly

72.5389, 0.3460, 0.4086



Tritanomaly

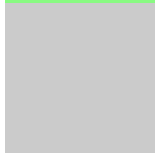
74.3360, 0.2771, 0.3663

Monochromacy



Original Color

75.3013, 0.3093, 0.4798



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.9047, 0.3123, 0.3836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3013, 0.3093, 0.4798 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(137, 250, 130)` looks like.

```
.text, #text, p{  
    color:rgb(137, 250, 130)  
}
```

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(137, 250, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 250, 130) }
```

Border

The CSS property to change the border of an element to Yxy 75.3013, 0.3093, 0.4798 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(137, 250, 130) }
```

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

```
.border{ border-color:rgb(137, 250, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 250, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 250, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 250, 130);  
box-shadow:4px 4px 4px 4px rgb(137, 250,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3013, 0.3093, 0.4798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 250, 130) }
```

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

```
.background{ background-color: rgb(137,  
250, 130) }
```

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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