

Converting Colors

$Y_{xy}(75.4289, 0.2687, 0.4523)$

Have a look what the booklet for
Yxy(75.4289, 0.2687, 0.4523)
contains.

Yxy(75.4307, 0.2689, 0.4527)	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(75.4307, 0.2689, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	46FFA2
RGB	70, 255, 162
RGB Percent	27%, 100%, 64%
CMY	0.7257, 0.0000, 0.3646
CMYK	0.73, 0.00, 0.36, 0.00
HSL	150°, 100%, 64%
HSV	150°, 73%, 100%
XYZ	44.8052, 75.4307, 46.3881
YIQ	189.0830, -80.4070, -68.1430

Conversions

Conversions Part 2

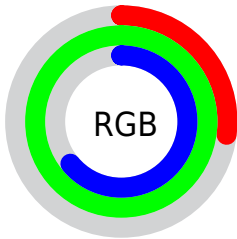
Format	Color
RYB	70, 194, 255
Decimal	4652962
CIELab	89.59, -66.01, 31.57
CIELCh	90, 73.173, 154.443
Yxy	75.4307, 0.2689, 0.4527
Android (android.graphics.Color)	4282843042 (0xFF46FFA2)
YUV	189.0830, -13.3519, -104.4358
Hunter-Lab	86.8508, -59.9032, 29.1281

Details

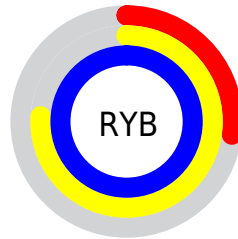
The Yxy color **75.4307, 0.2689, 0.4527** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **28.2747, 0.4323, 0.2443**, and the grayscale version is **51.0416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1925, 0.2696, 0.3739**, and **41.0366, 0.2675, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **74.2419, 0.2690, 0.4725**, and if you desaturate by 10%, it is **77.0652, 0.2709, 0.4327**.

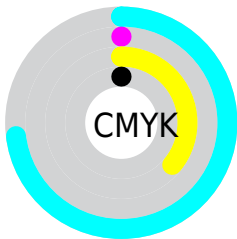
Distribution



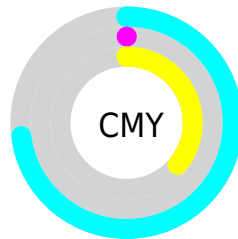
- Red (27%)
- Green (100%)
- Blue (64%)



- Red (27%)
- Yellow (76%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)



- Cyan (73%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4307, 0.2689, 0.4527 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 75.4307, 0.2689, 0.4527 by changing the saturation by 10% instead.


 75.4307, 0.2689,
0.4527


 75.4307, 0.2689,
0.4527

479.3966, 0.2913,
0.3914

 55.9658, 0.2633,
0.4677


 126.9218, 0.2771,
0.4306

 40.1755, 0.2560,
0.4866


 159.7169, 0.2802,
0.4223

 27.6754, 0.2464,
0.5113


 197.7241, 0.2827,
0.4152

 18.0811, 0.2332,
0.5447

 241.3279, 0.2849,
0.4091

 11.0082, 0.2139,
0.5917

290.9127, 0.2869,
0.4038

 6.0724, 0.1841,
0.6615


346.8628, 0.2885,


 2.8891, 0.1289,

0.3991


0.8268


409.5626, 0.2900,
0.3950


 1.0741, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.4307, 0.2689,
0.4527


 75.4307, 0.2689,
0.4527


 74.2419, 0.2690,
0.4725


 77.0652, 0.2709,
0.4327


 73.4467, 0.2710,
0.4915

 79.1963, 0.2747,
0.4130


 73.0491, 0.2736,
0.5049


 81.8631, 0.2801,
0.3942

 85.1019, 0.2867,
0.3765

 88.9456, 0.2942,
0.3602

 93.4245, 0.3022,
0.3454

 98.5670, 0.3106,
0.3322

 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.



75.4307, 0.3501, 0.4903



75.4307, 0.2689, 0.4527



75.4307, 0.2042, 0.3628

Triad

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



75.4307, 0.2689, 0.4527



75.4307, 0.1981, 0.2009



75.4307, 0.4789, 0.3468

Complementary

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



75.4307, 0.2689, 0.4527



28.2747, 0.4323, 0.2443

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.



75.4307, 0.4273, 0.2878



75.4307, 0.2689, 0.4527



75.4307, 0.2569, 0.2082

Square

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



75.4307, 0.2689, 0.4527



75.4307, 0.1695, 0.2212



75.4307, 0.3409, 0.2389



75.4307, 0.4755, 0.4091

Rectangle

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



75.4307, 0.2689, 0.4527



75.4307, 0.1782, 0.3013



75.4307, 0.3409, 0.2389



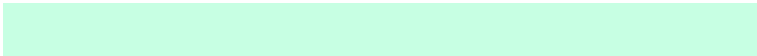
75.4307, 0.4675, 0.3265

Sweetspot

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



75.4293, 0.2689, 0.4527



89.1842, 0.2946, 0.3593



80.0205, 0.3477, 0.5300



18.8507, 0.2925, 0.3636



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.



75.4293, 0.2689, 0.4527



73.8452, 0.2696, 0.4811



79.8429, 0.2325, 0.3324



20.3189, 0.3047, 0.3412



38.1998, 0.2728, 0.5020



3.7414, 0.2670, 0.4811

Inverse Universe

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



28.2747, 0.4323, 0.2443



24.3886, 0.4681, 0.2436



26.1145, 0.5597, 0.3275



18.1394, 0.3215, 0.3171



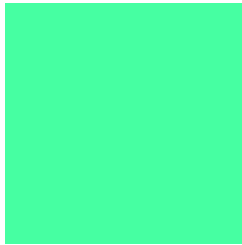
11.9550, 0.4954, 0.2503



1.1861, 0.4701, 0.2363

Previews

White Background



This preview shows how the Yxy color 75.4307, 0.2689, 0.4527 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 75.4307, 0.2689, 0.4527 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 75.4307, 0.2689, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 75.4307, 0.2689, 0.4527.

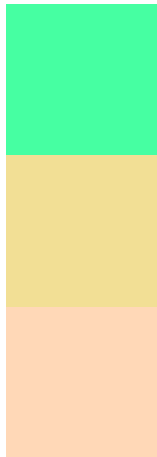


This preview shows how white text looks on a background with the Yxy color 75.4307, 0.2689, 0.4527.

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

75.4307, 0.2689, 0.4527

Protanopia

73.8225, 0.3774, 0.4071

Deuteranopia

73.7906, 0.3658, 0.3630



Tritanopia

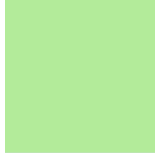
74.7926, 0.2501, 0.3105

Trichromacy



Original Color

75.4307, 0.2689, 0.4527



Protanomaly

71.3335, 0.3242, 0.4273



Deuteranomaly

70.3801, 0.3184, 0.3947



Tritanomaly

74.2383, 0.2555, 0.3585

Monochromacy



Original Color

75.4307, 0.2689, 0.4527



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.9542, 0.2879, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4307, 0.2689, 0.4527 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(70, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(70, 255, 162)  
}
```

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(70, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 255, 162) }
```

Border

The CSS property to change the border of an element to Yxy 75.4307, 0.2689, 0.4527 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(70, 255, 162) }
```

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

```
.border{ border-color:rgb(70, 255, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(70, 255,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4307, 0.2689, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 255, 162) }
```

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

```
.background{ background-color: rgb(70, 255,  
162) }
```

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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