

Converting Colors

$Yxy(77.4165, 0.2944, 0.4367)$

Have a look what the booklet for
Yxy(77.4165, 0.2944, 0.4367)
contains.

Yxy(77.2864, 0.2941, 0.4363)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2864, 0.2941, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	8CFBA5
RGB	140, 251, 165
RGB Percent	55%, 98%, 65%
CMY	0.4511, 0.0156, 0.3530
CMYK	0.44, 0.00, 0.34, 0.02
HSL	134°, 93%, 77%
HSV	134°, 44%, 98%
XYZ	52.0970, 77.2864, 47.7571
YIQ	208.0070, -38.5500, -50.2780

Conversions

Conversions Part 2

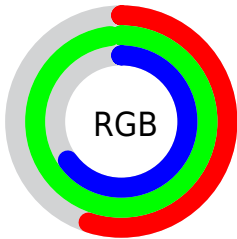
Format	Color
RYB	140, 231, 251
Decimal	9239461
CIELab	90.45, -49.66, 31.58
CIElCh	90, 58.850, 147.543
Yxy	77.2864, 0.2941, 0.4363
Android (android.graphics.Color)	4287429541 (0xFF8CFBA5)
YUV	208.0070, -21.2025, -59.6421
Hunter-Lab	87.9127, -48.0682, 29.3306

Details

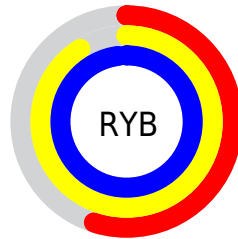
The Yxy color **77.2864, 0.2941, 0.4363** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.7471, 0.3401, 0.2420**, and the grayscale version is **63.2346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7462, 0.2972, 0.3658**, and **41.5473, 0.2880, 0.4656** is the 20% darker color. If you saturate the color by 10%, you get **74.6978, 0.2912, 0.4658**, and if you desaturate by 10%, it is **80.4863, 0.2978, 0.4081**.

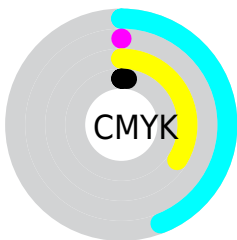
Distribution



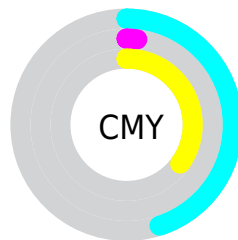
- Red (55%)
- Green (98%)
- Blue (65%)



- Red (55%)
- Yellow (91%)
- Blue (98%)



- Cyan (44%)
- Magenta (0%)
- Yellow (34%)
- Black (2%)





- Cyan (45%)
- Magenta (2%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2864, 0.2941, 0.4363 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 77.2864, 0.2941, 0.4363 by changing the saturation by 10% instead.


 77.2864, 0.2941,
0.4363

 77.2864, 0.2941,
0.4363


485.7400, 0.3044,
0.3839

 57.4880, 0.2913,
0.4489


 129.5437, 0.2980,
0.4176

 41.3971, 0.2876,
0.4647


 162.7713, 0.2995,
0.4105

 28.6295, 0.2825,
0.4852

201.2442, 0.3006,
0.4044

 18.8007, 0.2752,
0.5126

245.3466, 0.3016,
0.3992

 11.5264, 0.2641,
0.5510

295.4630, 0.3025,
0.3946

 6.4221, 0.2455,
0.6075


351.9777, 0.3032,


 3.1034, 0.2193,

0.3906


0.7209

415.2753, 0.3038,
0.3871


 1.1859, 0.0000,
1.0000


 0.0502, 0.0000,
1.0000


 77.2864, 0.2941,
0.4363


 77.2864, 0.2941,
0.4363


 74.6978, 0.2912,
0.4658


 80.4863, 0.2978,
0.4081


 72.6718, 0.2895,
0.4954

 84.3234, 0.3019,
0.3819

 71.1678, 0.2891,
0.5235

 88.8338, 0.3063,
0.3582

 70.1352, 0.2901,
0.5485

 94.0480, 0.3108,
0.3372

■ 69.5130, 0.2923,
0.5688

■ 97.4817, 0.3129,
0.3252

■ 69.2926, 0.2939,
0.5782

Harmonies

Analogous

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



77.2864, 0.3612, 0.4565



77.2864, 0.2941, 0.4363



77.2864, 0.2355, 0.3739

Triad

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



77.2864, 0.2941, 0.4363



77.2864, 0.2105, 0.2252



77.2864, 0.4398, 0.3349

Complementary

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



77.2864, 0.2941, 0.4363



44.7471, 0.3401, 0.2420

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.



77.2864, 0.3900, 0.2858



77.2864, 0.2941, 0.4363



77.2864, 0.2547, 0.2254

Square

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



77.2864, 0.2941, 0.4363



77.2864, 0.1918, 0.2500



77.2864, 0.3197, 0.2471



77.2864, 0.4493, 0.3871

Rectangle

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



77.2864, 0.2941, 0.4363



77.2864, 0.2087, 0.3248



77.2864, 0.3197, 0.2471



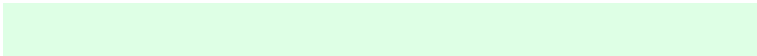
77.2864, 0.4270, 0.3178

Sweetspot

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



77.2896, 0.2941, 0.4363



92.7008, 0.3069, 0.3555



87.2170, 0.3617, 0.4450



19.6033, 0.3059, 0.3604



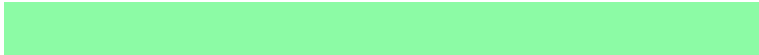
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2896, 0.2941, 0.4363



77.7139, 0.2915, 0.4622



79.7172, 0.2673, 0.3663



19.3733, 0.3085, 0.3479



36.4371, 0.2933, 0.5757



3.3900, 0.2873, 0.5542

Inverse Universe

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



44.7471, 0.3401, 0.2420



40.0689, 0.3474, 0.2264



42.2128, 0.3964, 0.2959



17.4537, 0.3173, 0.3108



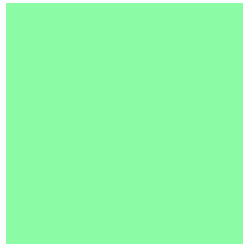
12.8618, 0.3877, 0.1910



1.2071, 0.3781, 0.1856

Previews

White Background



This preview shows how the Yxy color 77.2864, 0.2941, 0.4363 looks on a white background.

Color Contrast Check

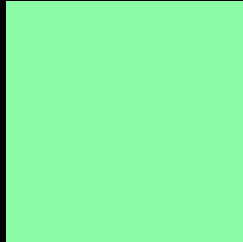
Large Text (above 18pt) WCAG AA × Fail

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 77.2864, 0.2941, 0.4363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

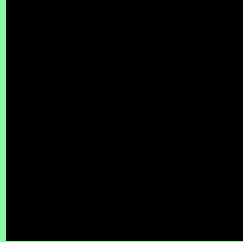
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2864, 0.2941, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 77.2864, 0.2941, 0.4363.

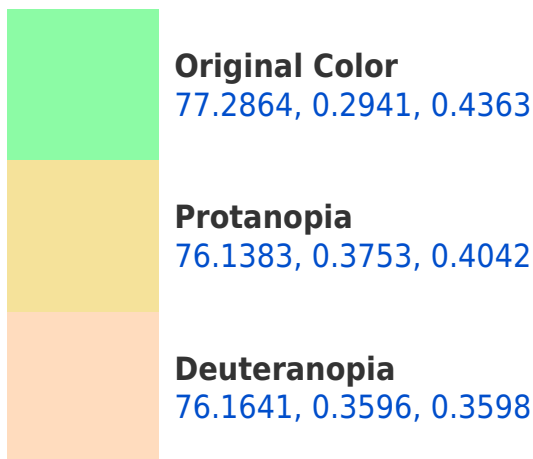


This preview shows how white text looks on a background with the Yxy color 77.2864, 0.2941, 0.4363.

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





Tritanopia

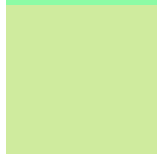
76.9151, 0.2628, 0.3100

Trichromacy



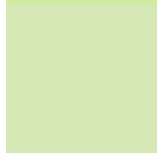
Original Color

77.2864, 0.2941, 0.4363



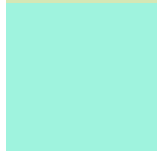
Protanomaly

75.1507, 0.3416, 0.4167



Deuteranomaly

74.6342, 0.3322, 0.3853



Tritanomaly

76.7460, 0.2743, 0.3536

Monochromacy



Original Color

77.2864, 0.2941, 0.4363



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.1844, 0.3047, 0.3676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2864, 0.2941, 0.4363 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(140, 251, 165)` looks like.

```
.text, #text, p{  
    color:rgb(140, 251, 165)  
}
```

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(140, 251, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 251, 165) }
```

Border

The CSS property to change the border of an element to Yxy 77.2864, 0.2941, 0.4363 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(140, 251, 165) }
```

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

```
.border{ border-color:rgb(140, 251, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 251, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 251, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 251, 165);  
box-shadow:4px 4px 4px 4px rgb(140, 251,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2864, 0.2941, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 251, 165) }
```

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

```
.background{ background-color: rgb(140,  
251, 165) }
```

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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