

Converting Colors

$Yxy(74.6337, 0.2671, 0.4621)$

Have a look what the booklet for
Yxy(74.6337, 0.2671, 0.4621)
contains.

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Color

Yxy(74.6241, 0.2673, 0.4625)

Conversions

Conversions Part 1

Format	Color
Hex	33FF9C
RGB	51, 255, 156
RGB Percent	20%, 100%, 61%
CMY	0.7999, 0.0000, 0.3881
CMYK	0.80, 0.00, 0.39, 0.00
HSL	151°, 100%, 60%
HSV	151°, 80%, 100%
XYZ	43.1287, 74.6241, 43.5966
YIQ	182.7180, -89.8050, -74.0370

Conversions

Conversions Part 2

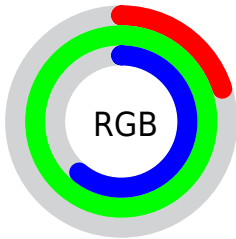
Format	Color
RYB	51, 186, 255
Decimal	3407772
CIELab	89.22, -69.30, 34.00
CIELCh	89, 77.191, 153.868
Yxy	74.6241, 0.2673, 0.4625
Android (android.graphics.Color)	4281597852 (0xFF33FF9C)
YUV	182.7180, -13.1720, -115.5167
Hunter-Lab	86.3852, -62.0563, 30.5474

Details

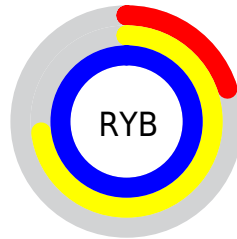
The Yxy color **74.6241, 0.2673, 0.4625** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **25.8315, 0.4562, 0.2458**, and the grayscale version is **47.3075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9690, 0.2676, 0.3820**, and **40.9320, 0.2700, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **73.7366, 0.2688, 0.4812**, and if you desaturate by 10%, it is **75.9203, 0.2679, 0.4432**.

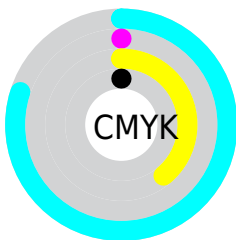
Distribution



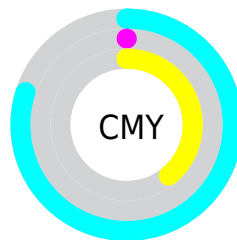
- Red (20%)
- Green (100%)
- Blue (61%)



- Red (20%)
- Yellow (73%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6241, 0.2673, 0.4625 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 74.6241, 0.2673, 0.4625 by changing the saturation by 10% instead.

 74.6241, 0.2673,
0.4625


 74.6241, 0.2673,
0.4625


476.6246, 0.2908,
0.3960


 55.3050, 0.2613,
0.4788


 125.7801, 0.2760,
0.4385

 39.6460, 0.2536,
0.4995


 158.3858, 0.2792,
0.4294

 27.2626, 0.2432,
0.5265


 196.1892, 0.2819,
0.4217

 17.7706, 0.2289,
0.5630

 239.5746, 0.2842,
0.4151

 10.7854, 0.2079,
0.6143

288.9264, 0.2862,
0.4094

 5.9227, 0.1755,
0.6898

344.6291, 0.2879,

 2.7981, 0.1056,

0.4043

0.8944

407.0670, 0.2895,
0.3999

■ 1.0273, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.6241, 0.2673,
0.4625

■ 74.6241, 0.2673,
0.4625

■ 73.7366, 0.2688,
0.4812

■ 75.9203, 0.2679,
0.4432


■ 73.1667, 0.2719,
0.4990

■ 77.6733, 0.2705,
0.4240


■ 73.1662, 0.2719,
0.4990

■ 79.9293, 0.2749,
0.4052

■ 82.7277, 0.2808,
0.3873

 86.1035, 0.2879,
0.3706

 90.0890, 0.2957,
0.3553

 94.7136, 0.3041,
0.3414

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.



74.6241, 0.3525, 0.5002



74.6241, 0.2673, 0.4625



74.6241, 0.1993, 0.3664

Triad

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



74.6241, 0.2673, 0.4625



74.6241, 0.1917, 0.1949



74.6241, 0.4879, 0.3452

Complementary

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



74.6241, 0.2673, 0.4625



25.8315, 0.4562, 0.2458

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.



74.6241, 0.4323, 0.2841



74.6241, 0.2673, 0.4625



74.6241, 0.2522, 0.2022

Square

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



74.6241, 0.2673, 0.4625



74.6241, 0.1626, 0.2162



74.6241, 0.3403, 0.2337



74.6241, 0.4843, 0.4102

Rectangle

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



74.6241, 0.2673, 0.4625



74.6241, 0.1720, 0.3007



74.6241, 0.3403, 0.2337



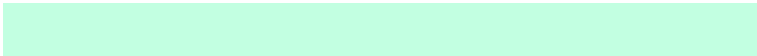
74.6241, 0.4756, 0.3242

Sweetspot

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



74.6258, 0.2673, 0.4625



88.4159, 0.2925, 0.3612



78.5327, 0.3444, 0.5465



18.6245, 0.2897, 0.3667



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.



74.6258, 0.2673, 0.4625



73.3698, 0.2706, 0.4920



79.4444, 0.2283, 0.3288



20.3243, 0.3045, 0.3408



38.2612, 0.2711, 0.4961



3.7475, 0.2655, 0.4757

Inverse Universe

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



25.8315, 0.4562, 0.2458



23.0657, 0.4968, 0.2529



23.8690, 0.5945, 0.3298



18.1340, 0.3218, 0.3175



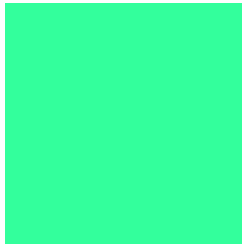
11.8955, 0.5027, 0.2543



1.1802, 0.4765, 0.2399

Previews

White Background



This preview shows how the Yxy color 74.6241, 0.2673, 0.4625 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 74.6241, 0.2673, 0.4625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

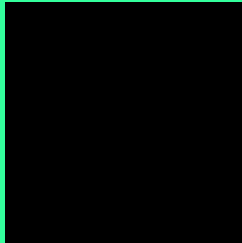
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.6241, 0.2673, 0.4625

Background



This preview shows how black text looks on a background with the Yxy color 74.6241, 0.2673, 0.4625.

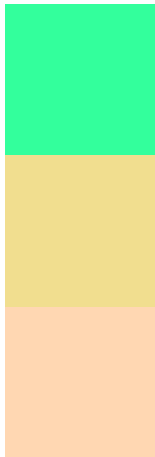


This preview shows how white text looks on a background with the Yxy color 74.6241, 0.2673, 0.4625.

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

74.6241, 0.2673, 0.4625

Protanopia

72.9265, 0.3810, 0.4125

Deuteranopia

73.0752, 0.3697, 0.3672



Tritanopia

74.1039, 0.2467, 0.3103

Trichromacy



Original Color

74.6241, 0.2673, 0.4625



Protanomaly

69.7544, 0.3231, 0.4352



Deuteranomaly

69.3197, 0.3166, 0.4019



Tritanomaly

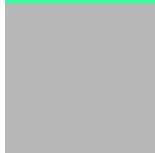
73.3623, 0.2520, 0.3614

Monochromacy



Original Color

74.6241, 0.2673, 0.4625



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.7690, 0.2843, 0.3789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6241, 0.2673, 0.4625 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(51, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 156)  
}
```

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(51, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 74.6241, 0.2673, 0.4625 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(51, 255, 156) }
```

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

```
.border{ border-color:rgb(51, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6241, 0.2673, 0.4625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 156) }
```

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

```
.background{ background-color: rgb(51, 255,  
156) }
```

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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