

Converting Colors

$Y_{xy}(81.2952, 0.2850, 0.4719)$

Have a look what the booklet for
Yxy(81.2952, 0.2850, 0.4719)
contains.

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Color

Yxy(76.5468, 0.2842, 0.4655)

Conversions

Conversions Part 1

Format	Color
Hex	66FF96
RGB	102, 255, 150
RGB Percent	40%, 100%, 59%
CMY	0.6004, 0.0000, 0.4118
CMYK	0.60, 0.00, 0.41, 0.00
HSL	139°, 100%, 70%
HSV	139°, 60%, 100%
XYZ	46.7338, 76.5468, 41.1593
YIQ	197.2830, -57.4830, -65.0910

Conversions

Conversions Part 2

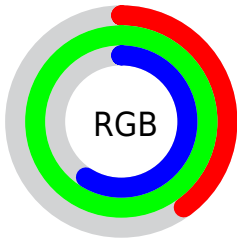
Format	Color
RYB	102, 218, 255
Decimal	6750102
CIELab	90.11, -62.74, 38.34
CIELCh	90, 73.530, 148.570
Yxy	76.5468, 0.2842, 0.4655
Android (android.graphics.Color)	4284940182 (0xFF66FF96)
YUV	197.2830, -23.3105, -83.5632
Hunter-Lab	87.4910, -57.7625, 33.3513

Details

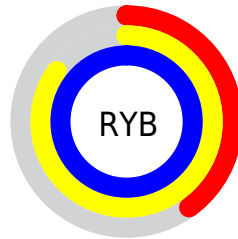
The Yxy color **76.5468, 0.2842, 0.4655** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **35.2407, 0.3687, 0.2270**, and the grayscale version is **56.1615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9271, 0.2872, 0.3869**, and **40.8925, 0.2739, 0.5018** is the 20% darker color. If you saturate the color by 10%, you get **74.7520, 0.2829, 0.4921**, and if you desaturate by 10%, it is **78.8695, 0.2870, 0.4388**.

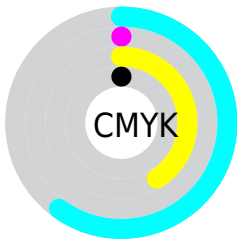
Distribution



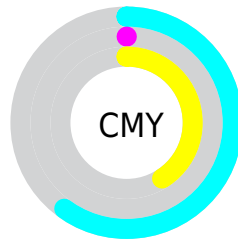
- Red (40%)
- Green (100%)
- Blue (59%)



- Red (40%)
- Yellow (85%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5468, 0.2842, 0.4655 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 76.5468, 0.2842, 0.4655 by changing the saturation by 10% instead.

 76.5468, 0.2842,
0.4655


 76.5468, 0.2842,
0.4655


483.2174, 0.3001,
0.3979


 56.8810, 0.2798,
0.4819


 128.4995, 0.2903,
0.4412

 40.9097, 0.2741,
0.5026


 161.5553, 0.2925,
0.4320

 28.2485, 0.2662,
0.5294


 199.8431, 0.2943,
0.4242

 18.5131, 0.2548,
0.5653

243.7474, 0.2958,
0.4175

 11.3190, 0.2375,
0.6152

293.6526, 0.2971,
0.4116

 6.2818, 0.2093,
0.6870


349.9431, 0.2983,


 3.0172, 0.1623,


0.4065


0.8377


413.0032, 0.2992,
0.4020

 1.1407, 0.0000,
1.0000


 0.0125, 0.0000,
1.0000

 76.5468, 0.2842,
0.4655


 76.5468, 0.2842,
0.4655


 74.7520, 0.2829,
0.4921


 78.8695, 0.2870,
0.4388

 73.4589, 0.2833,
0.5175


 81.7827, 0.2910,
0.4130

 72.6044, 0.2854,
0.5403

 85.3167, 0.2959,
0.3888

 72.1008, 0.2887,
0.5594

 89.5058, 0.3013,
0.3666

 94.3816, 0.3069,
0.3467

99.9737, 0.3127,
0.3291

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.



76.5468, 0.3660, 0.4896



76.5468, 0.2842, 0.4655



76.5468, 0.2146, 0.3819

Triad

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



76.5468, 0.2842, 0.4655



76.5468, 0.1902, 0.2025



76.5468, 0.4730, 0.3348

Complementary

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



76.5468, 0.2842, 0.4655



35.2407, 0.3687, 0.2270

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.



76.5468, 0.4119, 0.2771



76.5468, 0.2842, 0.4655



76.5468, 0.2431, 0.2048

Square

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



76.5468, 0.2842, 0.4655



76.5468, 0.1673, 0.2289



76.5468, 0.3232, 0.2312



76.5468, 0.4804, 0.3970

Rectangle

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



76.5468, 0.2842, 0.4655



76.5468, 0.1842, 0.3183



76.5468, 0.3232, 0.2312



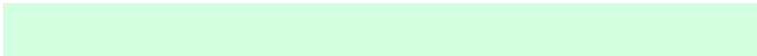
76.5468, 0.4579, 0.3148

Sweetspot

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



76.5398, 0.2842, 0.4655



90.4457, 0.3024, 0.3624



86.0420, 0.3657, 0.4882



19.0746, 0.3008, 0.3685



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.



76.5398, 0.2842, 0.4655



74.4618, 0.2828, 0.4972



79.7405, 0.2513, 0.3662



20.2622, 0.3072, 0.3457



37.6978, 0.2879, 0.5565



3.6893, 0.2817, 0.5341

Inverse Universe

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



35.2407, 0.3687, 0.2270



29.8636, 0.3846, 0.2141



32.4206, 0.4637, 0.2996



18.1975, 0.3186, 0.3128



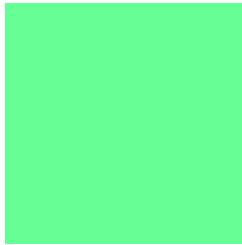
12.7521, 0.4203, 0.2089



1.2614, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 76.5468, 0.2842, 0.4655 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 76.5468, 0.2842, 0.4655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

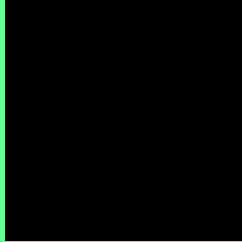
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5468, 0.2842, 0.4655

Background



This preview shows how black text looks on a background with the Yxy color 76.5468, 0.2842, 0.4655.

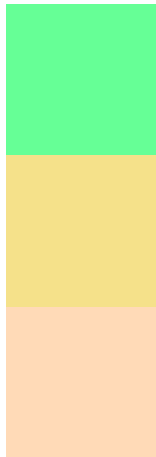


This preview shows how white text looks on a background with the Yxy color 76.5468, 0.2842, 0.4655.

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

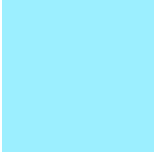
76.5468, 0.2842, 0.4655

Protanopia

75.0979, 0.3861, 0.4192

Deuteranopia

74.8217, 0.3652, 0.3650



Tritanopia

76.0209, 0.2560, 0.3108

Trichromacy



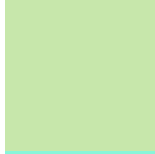
Original Color

76.5468, 0.2842, 0.4655



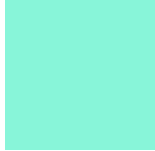
Protanomaly

73.2814, 0.3408, 0.4391



Deuteranomaly

72.2342, 0.3285, 0.3990



Tritanomaly

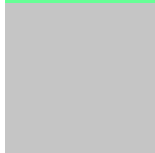
75.5488, 0.2658, 0.3629

Monochromacy



Original Color

76.5468, 0.2842, 0.4655



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.1195, 0.2980, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5468, 0.2842, 0.4655 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(102, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 150)  
}
```

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(102, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 76.5468, 0.2842, 0.4655 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(102, 255, 150) }
```

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

```
.border{ border-color:rgb(102, 255, 150) }
```

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

Here you see how a box with a 4 pixel rgb(102, 255, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5468, 0.2842, 0.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 150) }
```

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

```
.background{ background-color: rgb(102,  
255, 150) }
```

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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