

Converting Colors

$Y_{xy}(72.0653, 0.2839, 0.5427)$

Have a look what the booklet for
Yxy(72.0653, 0.2839, 0.5427)
contains.

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Color

Yxy(72.3645, 0.2842, 0.5430)

Conversions

Conversions Part 1

Format	Color
Hex	01FF60
RGB	1, 255, 96
RGB Percent	0%, 100%, 38%
CMY	0.9979, 0.0000, 0.6237
CMYK	1.00, 0.00, 0.62, 0.00
HSL	143°, 100%, 50%
HSV	143°, 100%, 100%
XYZ	37.8748, 72.3645, 23.0287
YIQ	160.9280, -100.3450, -103.2970

Conversions

Conversions Part 2

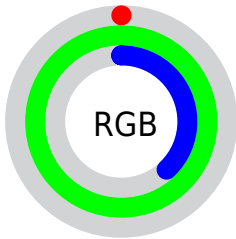
Format	Color
R_{YB}	1, 186, 255
Decimal	130912
CIE _{Lab}	88.14, -80.96, 60.40
CIE _{LCh}	88, 101.005, 143.276
Yxy	72.3645, 0.2842, 0.5430
Android (android.graphics.Color)	4278320992 (0xFF01FF60)
YUV	160.9280, -32.0095, -140.2569
Hunter-Lab	85.0673, -69.3938, 43.4966

Details

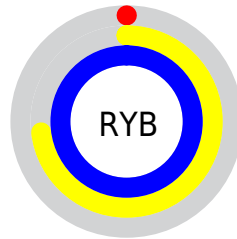
The Yxy color **72.3645, 0.2842, 0.5430** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **23.7943, 0.4465, 0.2234**, and the grayscale version is **35.7210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5363, 0.2900, 0.4618**, and **39.6198, 0.2949, 0.5815** is the 20% darker color. If you saturate the color by 10%, you get **72.3578, 0.2843, 0.5434**, and if you desaturate by 10%, it is **72.9077, 0.2807, 0.5233**.

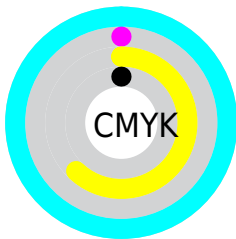
Distribution



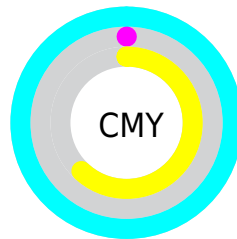
- Red (0%)
- Green (100%)
- Blue (38%)



- Red (0%)
- Yellow (73%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3645, 0.2842, 0.5430 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 72.3645, 0.2842, 0.5430 by changing the saturation by 10% instead.


 72.3645, 0.2842,
0.5430


 72.3645, 0.2842,
0.5430


468.8093, 0.3046,
0.4348

 53.4565, 0.2775,
0.5691


 122.5746, 0.2929,
0.5041


 38.1673, 0.2680,
0.6017


 154.6455, 0.2958,
0.4893

 26.1126, 0.2544,
0.6429


 191.8728, 0.2981,
0.4768

 16.9079, 0.2338,
0.6954

 234.6409, 0.2999,
0.4660

 10.1688, 0.2034,
0.7682

 283.3342, 0.3014,
0.4566

 5.5110, 0.1527,
0.8473


338.3371, 0.3027,

 2.5501, 0.0000,

0.4484

1.0000

400.0340, 0.3037,
0.4412

 0.9017, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.3645, 0.2842,
0.5430


 72.3645, 0.2842,
0.5430


 72.3578, 0.2843,
0.5434


 72.9077, 0.2807,
0.5233


 73.7920, 0.2786,
0.5010


 75.1058, 0.2785,
0.4771

 76.9039, 0.2801,
0.4524

 79.2323, 0.2834,
0.4280

 82.1315, 0.2880,
0.4046

 85.6379, 0.2936,
0.3827

 89.7850, 0.2997,
0.3627

 94.6034, 0.3062,
0.3447

Harmonies

Analogous

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



72.3645, 0.3903, 0.5430



72.3645, 0.2842, 0.5430



72.3645, 0.1908, 0.4287

Triad

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



72.3645, 0.2842, 0.5430



72.3645, 0.1462, 0.1667



72.3645, 0.5248, 0.3142

Complementary

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



72.3645, 0.2842, 0.5430



23.7943, 0.4465, 0.2234

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.



72.3645, 0.4288, 0.2464



72.3645, 0.2842, 0.5430



72.3645, 0.2036, 0.1659

Square

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



72.3645, 0.2842, 0.5430



72.3645, 0.1247, 0.2024



72.3645, 0.3028, 0.1937



72.3645, 0.5404, 0.3894

Rectangle

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



72.3645, 0.2842, 0.5430



72.3645, 0.1499, 0.3311



72.3645, 0.3028, 0.1937



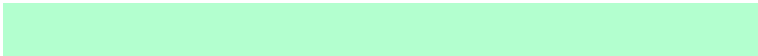
72.3645, 0.5004, 0.2906

Sweetspot

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



72.3673, 0.2842, 0.5430



85.5586, 0.2934, 0.3832



79.1706, 0.3553, 0.5560



17.9815, 0.2910, 0.3922



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.



72.3673, 0.2842, 0.5430



72.3578, 0.2843, 0.5434



76.7477, 0.2367, 0.3721



20.2809, 0.3064, 0.3442



37.8351, 0.2834, 0.5403



3.7042, 0.2771, 0.5176

Inverse Universe

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



23.7943, 0.4465, 0.2234



23.7759, 0.4469, 0.2235



21.3897, 0.6254, 0.3220



18.1781, 0.3196, 0.3143



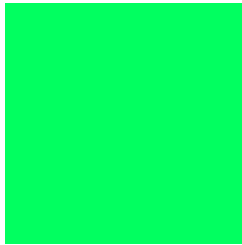
12.4533, 0.4442, 0.2221



1.2337, 0.4264, 0.2122

Previews

White Background



This preview shows how the Yxy color 72.3645, 0.2842, 0.5430 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 72.3645, 0.2842, 0.5430 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 72.3645, 0.2842, 0.5430

Background



This preview shows how black text looks on a background with the Yxy color 72.3645, 0.2842, 0.5430.

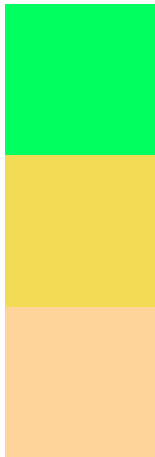


This preview shows how white text looks on a background with the Yxy color 72.3645, 0.2842, 0.5430.

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

72.3710, 0.2842, 0.5429

Protanopia

70.5680, 0.4179, 0.4585

Deuteranopia

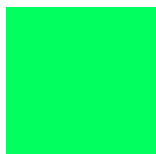
70.6801, 0.3885, 0.3888



Tritanopia

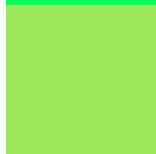
71.7103, 0.2399, 0.3076

Trichromacy



Original Color

72.3710, 0.2842, 0.5429



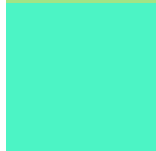
Protanomaly

65.4200, 0.3412, 0.5047



Deuteranomaly

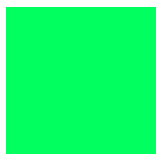
64.8616, 0.3256, 0.4505



Tritanomaly

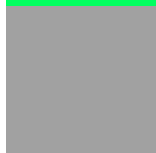
70.2691, 0.2527, 0.3911

Monochromacy



Original Color

72.3710, 0.2842, 0.5429



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

43.7199, 0.2852, 0.4208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3645, 0.2842, 0.5430 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(1, 255, 96)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 96)  
}
```

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(1, 255, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 96) }
```

Border

The CSS property to change the border of an element to Yxy 72.3645, 0.2842, 0.5430 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(1, 255, 96) }
```

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

```
.border{ border-color:rgb(1, 255, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 255, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(1, 255, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.3645, 0.2842, 0.5430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 96) }
```

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

```
.background{ background-color: rgb(1, 255,  
96) }
```

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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