

Converting Colors

$Y_{xy}(72.0053, 0.2937, 0.5730)$

Have a look what the booklet for
Yxy(72.0053, 0.2937, 0.5730)
contains.

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Color

Yxy(72.0093, 0.2936, 0.5727)

Conversions

Conversions Part 1

Format	Color
Hex	11FF40
RGB	17, 255, 64
RGB Percent	7%, 100%, 25%
CMY	0.9337, 0.0000, 0.7488
CMYK	0.93, 0.00, 0.75, 0.00
HSL	132°, 100%, 53%
HSV	132°, 93%, 100%
XYZ	36.9162, 72.0093, 16.8110
YIQ	162.0640, -80.5370, -109.8570

Conversions

Conversions Part 2

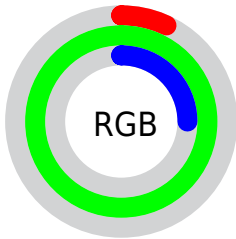
Format	Color
RYB	17, 216, 255
Decimal	1179456
CIELab	87.97, -83.35, 71.97
CIELCh	88, 110.125, 139.191
Yxy	72.0093, 0.2936, 0.5727
Android (android.graphics.Color)	4279369536 (0xFF11FF40)
YUV	162.0640, -48.3456, -127.2211
Hunter-Lab	84.8583, -70.8485, 47.6551

Details

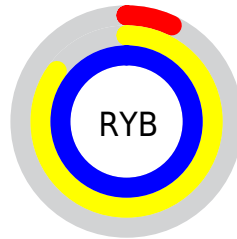
The Yxy color **72.0093, 0.2936, 0.5727** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **26.2041, 0.3749, 0.1860**, and the grayscale version is **36.4098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0150, 0.3040, 0.4957**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.7547, 0.2952, 0.5828**, and if you desaturate by 10%, it is **72.6687, 0.2916, 0.5525**.

Distribution



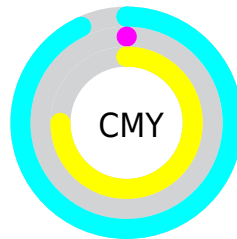
- Red (7%)
- Green (100%)
- Blue (25%)



- Red (7%)
- Yellow (85%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)




- Cyan (93%)
- Magenta (0%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0093, 0.2936, 0.5727 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 72.0093, 0.2936, 0.5727 by changing the saturation by 10% instead.


 72.0093, 0.2936,
0.5727


 72.0093, 0.2936,
0.5727

467.5740, 0.3124,
0.4505


 53.1663, 0.2863,
0.6013


 122.0698, 0.3025,
0.5293

 37.9355, 0.2757,
0.6362


 154.0560, 0.3052,
0.5126


 25.9326, 0.2600,
0.6789

 191.1920, 0.3073,
0.4984

 16.7733, 0.2361,
0.7312

 233.8623, 0.3089,
0.4861

 10.0730, 0.2007,
0.7993

 282.4513, 0.3101,
0.4754

 5.4474, 0.1432,
0.8568


337.3433, 0.3111,


 2.5121, 0.0000,


0.4661


1.0000

398.9227, 0.3118,
0.4578


 0.8827, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.0093, 0.2936,
0.5727


 72.0093, 0.2936,
0.5727

 71.7547, 0.2952,
0.5828


 72.6687, 0.2916,
0.5525


 73.7642, 0.2908,
0.5273


 75.3590, 0.2914,
0.4985


 77.5055, 0.2931,
0.4681

 80.2495, 0.2958,
0.4377

 83.6319, 0.2993,
0.4086

 87.6901, 0.3032,
0.3817

 92.4582, 0.3072,
0.3573

 97.9685, 0.3113,
0.3357

Harmonies

Analogous

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



72.0093, 0.4059, 0.5498



72.0093, 0.2936, 0.5727



72.0093, 0.1913, 0.4610

Triad

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



72.0093, 0.2936, 0.5727



72.0093, 0.1307, 0.1584



72.0093, 0.5337, 0.3002

Complementary

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



72.0093, 0.2936, 0.5727



26.2041, 0.3749, 0.1860

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.



72.0093, 0.4201, 0.2310



72.0093, 0.2936, 0.5727



72.0093, 0.1847, 0.1539

Square

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



72.0093, 0.2936, 0.5727



72.0093, 0.1128, 0.2006



72.0093, 0.2840, 0.1791



72.0093, 0.5601, 0.3770

Rectangle

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



72.0093, 0.2936, 0.5727



72.0093, 0.1447, 0.3503



72.0093, 0.2840, 0.1791



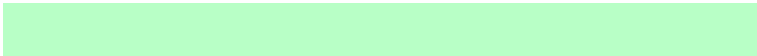
72.0093, 0.5034, 0.2761

Sweetspot

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



72.0090, 0.2936, 0.5727



85.7263, 0.3013, 0.3938



85.4605, 0.3878, 0.5275



17.9856, 0.2997, 0.4056



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.



72.0090, 0.2936, 0.5727



71.7547, 0.2952, 0.5828



74.9173, 0.2537, 0.4301



20.2270, 0.3088, 0.3486



37.5099, 0.2946, 0.5806



3.6668, 0.2892, 0.5613

Inverse Universe

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



26.2041, 0.3749, 0.1860



25.6435, 0.3797, 0.1865



22.4356, 0.5558, 0.2874



18.2351, 0.3168, 0.3101



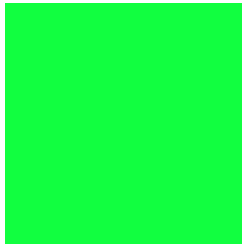
13.4210, 0.3785, 0.1859



1.3217, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 72.0093, 0.2936, 0.5727 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 72.0093, 0.2936, 0.5727 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

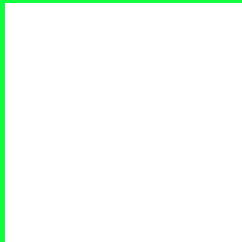
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0093, 0.2936, 0.5727

Background



This preview shows how black text looks on a background with the Yxy color 72.0093, 0.2936, 0.5727.

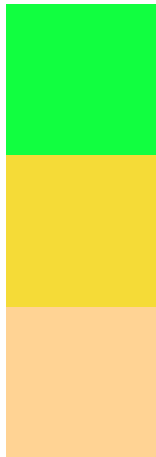


This preview shows how white text looks on a background with the Yxy color 72.0093, 0.2936, 0.5727.

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

72.0093, 0.2936, 0.5727

Protanopia

70.3513, 0.4306, 0.4758

Deuteranopia

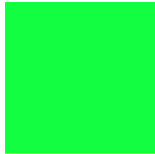
69.9866, 0.3932, 0.3938



Tritanopia

71.5014, 0.2388, 0.3075

Trichromacy



Original Color

72.0093, 0.2936, 0.5727



Protanomaly

65.7001, 0.3574, 0.5275



Deuteranomaly

64.5474, 0.3389, 0.4671



Tritanomaly

69.9520, 0.2587, 0.4065

Monochromacy



Original Color

72.0093, 0.2936, 0.5727



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

44.2374, 0.2959, 0.4391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0093, 0.2936, 0.5727 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(17, 255, 64)` looks like.

```
.text, #text, p{  
    color:rgb(17, 255, 64)  
}
```

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(17, 255, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 255, 64) }
```

Border

The CSS property to change the border of an element to Yxy 72.0093, 0.2936, 0.5727 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(17, 255, 64) }
```

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

```
.border{ border-color:rgb(17, 255, 64) }
```

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

Here you see how a box with a 4 pixel rgb(17, 255, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 255, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 255, 64);  
box-shadow:4px 4px 4px 4px rgb(17, 255,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0093, 0.2936, 0.5727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 255, 64) }
```

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

```
.background{ background-color: rgb(17, 255,  
64) }
```

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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