

Converting Colors

$Yxy(72.0696, 0.3047, 0.5963)$

Have a look what the booklet for
Yxy(72.0696, 0.3047, 0.5963)
contains.

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Color

Yxy(72.0779, 0.3048, 0.5962)

Conversions

Conversions Part 1

Format	Color
Hex	2DFF00
RGB	45, 255, 0
RGB Percent	18%, 100%, 0%
CMY	0.8227, 0.0000, 1.0000
CMYK	0.82, 0.00, 1.00, 0.00
HSL	109°, 100%, 50%
HSV	109°, 100%, 100%
XYZ	36.8489, 72.0779, 11.9687
YIQ	163.1400, -43.3050, -123.8250

Conversions

Conversions Part 2

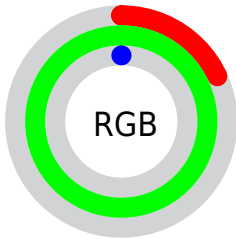
Format	Color
RYB	0, 255, 210
Decimal	3014400
CIELab	88.01, -83.72, 83.52
CIELCh	88, 118.251, 135.069
Yxy	72.0779, 0.3048, 0.5962
Android (android.graphics.Color)	4281204480 (0xFF2DFF00)
YUV	163.1400, -80.4280, -103.6088
Hunter-Lab	84.8987, -71.0976, 51.0706

Details

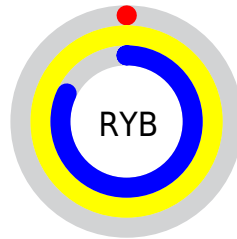
The Yxy color **72.0779, 0.3048, 0.5962** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **20.8897, 0.2755, 0.1292**, and the grayscale version is **37.1300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1982, 0.3213, 0.5254**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.0809, 0.3048, 0.5962**, and if you desaturate by 10%, it is **72.7555, 0.3082, 0.5871**.

Distribution



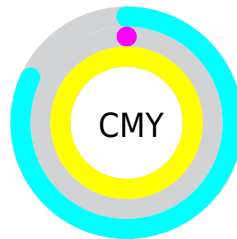
- Red (18%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (82%)



- Cyan (82%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0779, 0.3048, 0.5962 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 72.0779, 0.3048, 0.5962 by changing the saturation by 10% instead.


 72.0779, 0.3048,
0.5962


 72.0779, 0.3048,
0.5962

467.8127, 0.3218,
0.4646


 53.2223, 0.2969,
0.6255


 122.1673, 0.3139,
0.5505


 37.9803, 0.2852,
0.6603


 154.1699, 0.3165,
0.5326


 25.9674, 0.2674,
0.7011


 191.3236, 0.3183,
0.5172

 16.7992, 0.2431,
0.7569

 234.0128, 0.3196,
0.5038

 10.0915, 0.1997,
0.8003

 282.6219, 0.3204,
0.4921

 5.4596, 0.1422,
0.8578


 337.5353, 0.3211,

 2.5194, 0.0000,

0.4818


1.0000


399.1375, 0.3215,
0.4727


 0.8863, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 72.0779, 0.3048,
0.5962


 72.0779, 0.3048,
0.5962


 72.0809, 0.3048,
0.5962

 72.7555, 0.3082,
0.5871


 73.7917, 0.3116,
0.5705


 75.2445, 0.3143,
0.5464


 77.1546, 0.3162,
0.5166

 79.5576, 0.3172,
0.4832

 82.4854, 0.3173,
0.4488

 85.9672, 0.3168,
0.4151

 90.0299, 0.3157,
0.3835

 94.6988, 0.3143,
0.3547

Harmonies

Analogous

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



72.0779, 0.4219, 0.5494



72.0779, 0.3048, 0.5962



72.0779, 0.1950, 0.4960

Triad

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



72.0779, 0.3048, 0.5962



72.0779, 0.1175, 0.1527



72.0779, 0.5369, 0.2860

Complementary

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



72.0779, 0.3048, 0.5962



20.8897, 0.2755, 0.1292

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.



72.0779, 0.4064, 0.2164



72.0779, 0.3048, 0.5962



72.0779, 0.1673, 0.1442

Square

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



72.0779, 0.3048, 0.5962



72.0779, 0.1035, 0.2021



72.0779, 0.2640, 0.1662



72.0779, 0.5766, 0.3634

Rectangle

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



72.0779, 0.3048, 0.5962



72.0779, 0.1426, 0.3743



72.0779, 0.2640, 0.1662



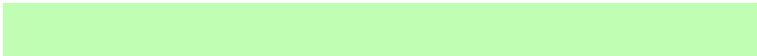
72.0779, 0.5006, 0.2616

Sweetspot

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



72.0809, 0.3048, 0.5962



85.9693, 0.3168, 0.4151



66.4921, 0.4567, 0.4756



18.0719, 0.3171, 0.4291



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.



72.0809, 0.3048, 0.5962



72.0828, 0.3048, 0.5962



72.1085, 0.2886, 0.5588



20.3229, 0.3142, 0.3534



37.7093, 0.3055, 0.5956



3.7119, 0.3120, 0.5905

Inverse Universe

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



20.8897, 0.2755, 0.1292



20.8902, 0.2755, 0.1292



24.3251, 0.4233, 0.2106



18.1279, 0.3109, 0.3054



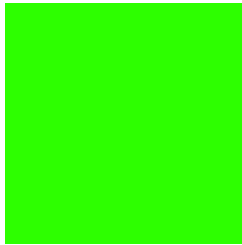
10.9749, 0.2763, 0.1296



1.1093, 0.2817, 0.1325

Previews

White Background



This preview shows how the Yxy color 72.0779, 0.3048, 0.5962 looks on a white background.

Color Contrast Check

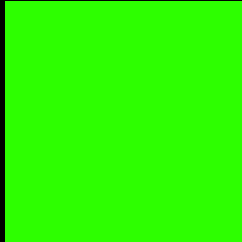
Large Text (above 18pt) WCAG AA × Fail

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 72.0779, 0.3048, 0.5962 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 72.0779, 0.3048, 0.5962

Background



This preview shows how black text looks on a background with the Yxy color 72.0779, 0.3048, 0.5962.



This preview shows how white text looks on a background with the Yxy color 72.0779, 0.3048, 0.5962.

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

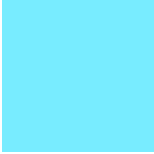
72.0779, 0.3048, 0.5962

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

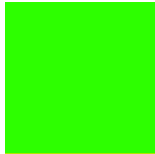
70.4223, 0.3942, 0.3968



Tritanopia

71.2040, 0.2401, 0.3064

Trichromacy



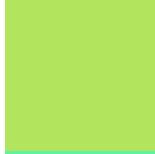
Original Color

72.0779, 0.3048, 0.5962



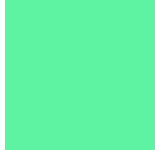
Protanomaly

66.5975, 0.3744, 0.5409



Deuteranomaly

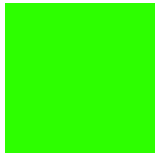
65.8608, 0.3587, 0.4890



Tritanomaly

69.0370, 0.2738, 0.4387

Monochromacy



Original Color

72.0779, 0.3048, 0.5962



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

44.4724, 0.3171, 0.4703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0779, 0.3048, 0.5962 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(45, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 255, 0)  
}
```

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(45, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.0779, 0.3048, 0.5962 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(45, 255, 0) }
```

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

```
.border{ border-color:rgb(45, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 255, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 72.0779, 0.3048, 0.5962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 255, 0) }
```

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

```
.background{ background-color: rgb(45, 255,  
0) }
```

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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