

Converting Colors

$Y_{xy}(73.1122, 0.3063, 0.5743)$

Have a look what the booklet for
Yxy(73.1122, 0.3063, 0.5743)
contains.

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Color

Yxy(73.1367, 0.3065, 0.5743)

Conversions

Conversions Part 1

Format	Color
Hex	48FF33
RGB	72, 255, 51
RGB Percent	28%, 100%, 20%
CMY	0.7173, 0.0000, 0.8004
CMYK	0.72, 0.00, 0.80, 0.00
HSL	114°, 100%, 60%
HSV	114°, 80%, 100%
XYZ	39.0326, 73.1367, 15.1800
YIQ	177.0270, -43.5840, -102.2400

Conversions

Conversions Part 2

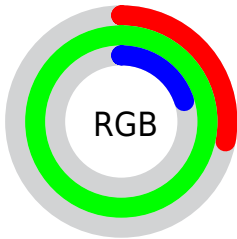
Format	Color
R_{YB}	51, 255, 234
Decimal	4783923
CIE Lab	88.51, -78.84, 76.49
CIE LCh	89, 109.845, 135.866
Yxy	73.1367, 0.3065, 0.5743
Android (android.graphics.Color)	4282974003 (0xFF48FF33)
YUV	177.0270, -62.1313, -92.1087
Hunter-Lab	85.5200, -68.1900, 49.3399

Details

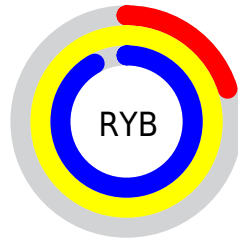
The Yxy color **73.1367, 0.3065, 0.5743** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **27.0439, 0.2997, 0.1526**, and the grayscale version is **44.3387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7546, 0.3201, 0.4994**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.2505, 0.3041, 0.5903**, and if you desaturate by 10%, it is **74.4768, 0.3088, 0.5502**.

Distribution



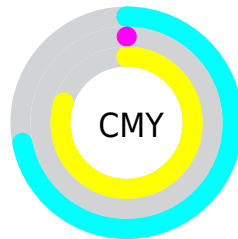
- Red (28%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (92%)



- Cyan (72%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1367, 0.3065, 0.5743 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 73.1367, 0.3065, 0.5743 by changing the saturation by 10% instead.


 73.1367, 0.3065,
0.5743

 73.1367, 0.3065,
0.5743

471.4885, 0.3202,
0.4530


 54.0877, 0.3001,
0.6020


 123.6713, 0.3138,
0.5318


 38.6718, 0.2905,
0.6353


 155.9256, 0.3159,
0.5152


 26.5045, 0.2758,
0.6755


 193.3506, 0.3173,
0.5011

 17.2015, 0.2536,
0.7253

 236.3306, 0.3184,
0.4888

 10.3782, 0.2181,
0.7819

 285.2500, 0.3191,
0.4781

 5.6504, 0.1627,
0.8373


340.4932, 0.3196,

 2.6337, 0.0088,


0.4687


0.9912


402.4445, 0.3199,
0.4604


 0.9436, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 73.1367, 0.3065,
0.5743


 73.1367, 0.3065,
0.5743


 72.2505, 0.3041,
0.5903


 74.4768, 0.3088,
0.5502

 71.7456, 0.3019,
0.5985

 76.3143, 0.3106,
0.5199

 78.6945, 0.3120,
0.4858

 81.6562, 0.3129,
0.4506

 85.2343, 0.3133,
0.4162

 89.4612, 0.3134,
0.3840

 94.3667, 0.3131,
0.3549

99.9790, 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.



73.1367, 0.4178, 0.5406



73.1367, 0.3065, 0.5743



73.1367, 0.2020, 0.4774

Triad

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



73.1367, 0.3065, 0.5743



73.1367, 0.1280, 0.1619



73.1367, 0.5231, 0.2925

Complementary

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



73.1367, 0.3065, 0.5743



27.0439, 0.2997, 0.1526

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.



73.1367, 0.4040, 0.2248



73.1367, 0.3065, 0.5743



73.1367, 0.1775, 0.1538

Square

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



73.1367, 0.3065, 0.5743



73.1367, 0.1138, 0.2093



73.1367, 0.2710, 0.1758



73.1367, 0.5603, 0.3683

Rectangle

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



73.1367, 0.3065, 0.5743



73.1367, 0.1519, 0.3679



73.1367, 0.2710, 0.1758



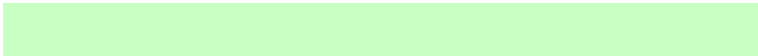
73.1367, 0.4900, 0.2687

Sweetspot

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



73.1389, 0.3065, 0.5743



87.7057, 0.3134, 0.3964



78.7562, 0.4301, 0.4807



18.4541, 0.3134, 0.4080



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.



73.1389, 0.3065, 0.5743



71.9101, 0.3027, 0.5958



73.8103, 0.2780, 0.4994



20.2582, 0.3131, 0.3535



37.5177, 0.3024, 0.5981



3.6813, 0.3071, 0.5944

Inverse Universe

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



27.0439, 0.2997, 0.1526



24.2000, 0.2955, 0.1411



26.7848, 0.4156, 0.2212



18.1990, 0.3121, 0.3055



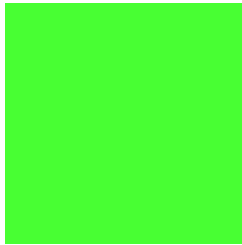
12.4771, 0.2949, 0.1398



1.2412, 0.2980, 0.1415

Previews

White Background



This preview shows how the Yxy color 73.1367, 0.3065, 0.5743 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 73.1367, 0.3065, 0.5743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

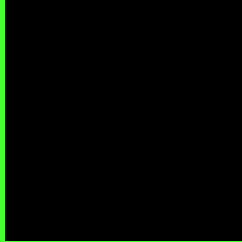
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1367, 0.3065, 0.5743

Background



This preview shows how black text looks on a background with the Yxy color 73.1367, 0.3065, 0.5743.



This preview shows how white text looks on a background with the Yxy color 73.1367, 0.3065, 0.5743.

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

73.1367, 0.3065, 0.5743

Protanopia

71.3100, 0.4356, 0.4800

Deuteranopia

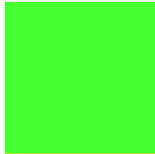
71.1484, 0.3888, 0.3908



Tritanopia

72.6137, 0.2446, 0.3078

Trichromacy



Original Color

73.1367, 0.3065, 0.5743



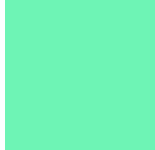
Protanomaly

68.6576, 0.3765, 0.5234



Deuteranomaly

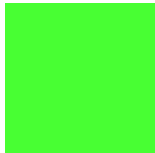
67.4391, 0.3539, 0.4623



Tritanomaly

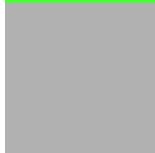
71.3526, 0.2716, 0.4113

Monochromacy



Original Color

73.1367, 0.3065, 0.5743



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.7903, 0.3134, 0.4352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1367, 0.3065, 0.5743 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(72, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 51)  
}
```

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(72, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 73.1367, 0.3065, 0.5743 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(72, 255, 51) }
```

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

```
.border{ border-color:rgb(72, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1367, 0.3065, 0.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 51) }
```

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

```
.background{ background-color: rgb(72, 255,  
51) }
```

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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