

Converting Colors

$Yxy(72.9135, 0.3047, 0.5756)$

Have a look what the booklet for
Yxy(72.9135, 0.3047, 0.5756)
contains.

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Color

Yxy(72.9173, 0.3047, 0.5755)

Conversions

Conversions Part 1

Format	Color
Hex	42FF33
RGB	66, 255, 51
RGB Percent	26%, 100%, 20%
CMY	0.7411, 0.0000, 0.7997
CMYK	0.74, 0.00, 0.80, 0.00
HSL	116°, 100%, 60%
HSV	116°, 80%, 100%
XYZ	38.6063, 72.9173, 15.1790
YIQ	175.2330, -47.1600, -103.5120

Conversions

Conversions Part 2

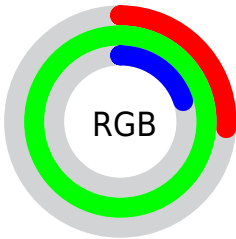
Format	Color
RYB	51, 255, 240
Decimal	4390707
CIELab	88.41, -79.74, 76.31
CIELCh	88, 110.375, 136.260
Yxy	72.9173, 0.3047, 0.5755
Android (android.graphics.Color)	4282580787 (0xFF42FF33)
YUV	175.2330, -61.2469, -95.7973
Hunter-Lab	85.3916, -68.7340, 49.2349

Details

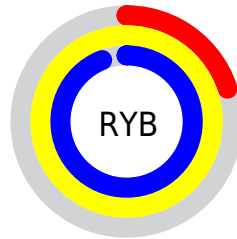
The Yxy color **72.9173, 0.3047, 0.5755** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **28.1292, 0.3059, 0.1559**, and the grayscale version is **43.3458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4857, 0.3184, 0.5003**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.0931, 0.3027, 0.5913**, and if you desaturate by 10%, it is **74.2059, 0.3067, 0.5515**.

Distribution



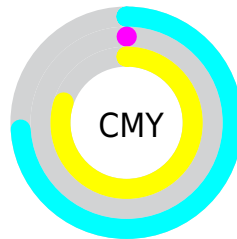
- Red (26%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (94%)



- Cyan (74%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9173, 0.3047, 0.5755 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 72.9173, 0.3047, 0.5755 by changing the saturation by 10% instead.

 72.9173, 0.3047,
0.5755


 72.9173, 0.3047,
0.5755


470.7281, 0.3192,
0.4534


 53.9083, 0.2981,
0.6034


 123.3598, 0.3123,
0.5326


 38.5284, 0.2883,
0.6371


 155.5621, 0.3145,
0.5160


 26.3930, 0.2732,
0.6777


 192.9310, 0.3161,
0.5017

 17.1179, 0.2506,
0.7281

 235.8509, 0.3172,
0.4894

 10.3186, 0.2146,
0.7854

 284.7062, 0.3180,
0.4786

 5.6107, 0.1588,
0.8412


339.8812, 0.3185,

 2.6098, 0.0000,


0.4692


1.0000


401.7604, 0.3189,
0.4608


 0.9316, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.9173, 0.3047,
0.5755


 72.9173, 0.3047,
0.5755


 72.0931, 0.3027,
0.5913


 74.2059, 0.3067,
0.5515

 71.6561, 0.3012,
0.5991


 76.0100, 0.3085,
0.5209

 71.6553, 0.3012,
0.5991

 78.3781, 0.3100,
0.4866

 81.3519, 0.3111,
0.4510

 84.9692, 0.3119,
0.4163

 89.2648, 0.3124,
0.3840

 94.2708, 0.3127,
0.3548

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.



72.9173, 0.4165, 0.5424



72.9173, 0.3047, 0.5755



72.9173, 0.2001, 0.4764

Triad

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



72.9173, 0.3047, 0.5755



72.9173, 0.1277, 0.1608



72.9173, 0.5254, 0.2932

Complementary

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



72.9173, 0.3047, 0.5755



28.1292, 0.3059, 0.1559

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.



72.9173, 0.4063, 0.2251



72.9173, 0.3047, 0.5755



72.9173, 0.1778, 0.1532

Square

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



72.9173, 0.3047, 0.5755



72.9173, 0.1130, 0.2076



72.9173, 0.2723, 0.1756



72.9173, 0.5614, 0.3692

Rectangle

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



72.9173, 0.3047, 0.5755



72.9173, 0.1504, 0.3659



72.9173, 0.2723, 0.1756



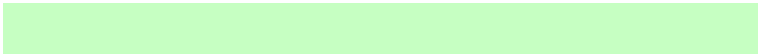
72.9173, 0.4925, 0.2693

Sweetspot

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



72.9185, 0.3047, 0.5755



87.4506, 0.3122, 0.3967



82.6523, 0.4251, 0.4852



18.3948, 0.3121, 0.4083



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.



72.9185, 0.3047, 0.5755



71.7912, 0.3017, 0.5966



74.0045, 0.2754, 0.4902



20.2317, 0.3127, 0.3535



37.4642, 0.3015, 0.5988



3.6688, 0.3050, 0.5960

Inverse Universe

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



28.1292, 0.3059, 0.1559



25.4565, 0.3030, 0.1452



26.5375, 0.4255, 0.2273



18.2287, 0.3126, 0.3055



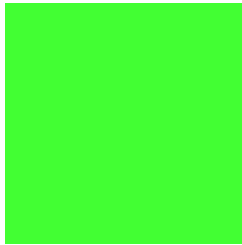
13.1474, 0.3025, 0.1440



1.2995, 0.3048, 0.1453

Previews

White Background



This preview shows how the Yxy color 72.9173, 0.3047, 0.5755 looks on a white background.

Color Contrast Check

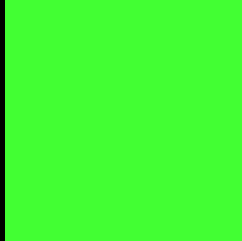
Large Text (above 18pt) WCAG AA × Fail

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 72.9173, 0.3047, 0.5755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

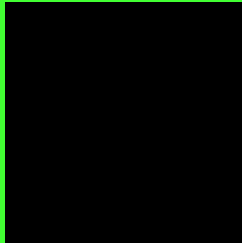
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9173, 0.3047, 0.5755

Background



This preview shows how black text looks on a background with the Yxy color 72.9173, 0.3047, 0.5755.

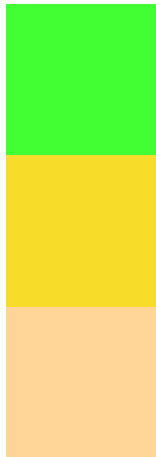


This preview shows how white text looks on a background with the Yxy color 72.9173, 0.3047, 0.5755.

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

72.9173, 0.3047, 0.5755

Protanopia

71.1277, 0.4349, 0.4805

Deuteranopia

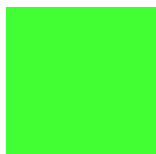
71.1155, 0.3895, 0.3918



Tritanopia

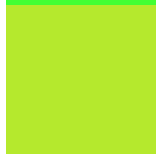
72.4555, 0.2438, 0.3078

Trichromacy



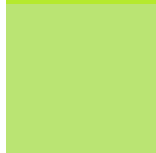
Original Color

72.9173, 0.3047, 0.5755



Protanomaly

68.2910, 0.3742, 0.5251



Deuteranomaly

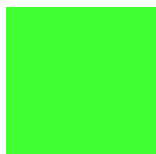
67.1637, 0.3530, 0.4640



Tritanomaly

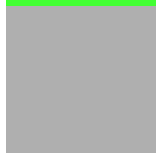
71.1017, 0.2700, 0.4117

Monochromacy



Original Color

72.9173, 0.3047, 0.5755



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

49.9483, 0.3112, 0.4364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9173, 0.3047, 0.5755 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(66, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(66, 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(66, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 72.9173, 0.3047, 0.5755 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(66, 255, 51) }
```

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

```
.border{ border-color:rgb(66, 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(66, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(66, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9173, 0.3047, 0.5755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 51) }
```

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

```
.background{ background-color: rgb(66, 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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