

Converting Colors

$Yxy(73.5827, 0.3055, 0.5623)$

Have a look what the booklet for
Yxy(73.5827, 0.3055, 0.5623)
contains.

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Color

Yxy(73.5756, 0.3056, 0.5625)

Conversions

Conversions Part 1

Format	Color
Hex	4FFF42
RGB	79, 255, 66
RGB Percent	31%, 100%, 26%
CMY	0.6899, 0.0000, 0.7411
CMYK	0.69, 0.00, 0.74, 0.00
HSL	116°, 100%, 63%
HSV	116°, 74%, 100%
XYZ	39.9728, 73.5756, 17.2527
YIQ	180.8300, -44.2270, -96.0910

Conversions

Conversions Part 2

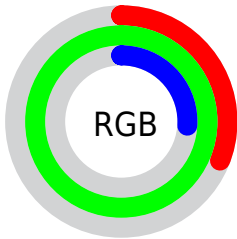
Format	Color
RYB	66, 255, 242
Decimal	5242690
CIELab	88.72, -76.78, 72.33
CIELCh	89, 105.480, 136.708
Yxy	73.5756, 0.3056, 0.5625
Android (android.graphics.Color)	4283432770 (0xFF4FFF42)
YUV	180.8300, -56.6112, -89.3049
Hunter-Lab	85.7762, -66.9251, 48.1180

Details

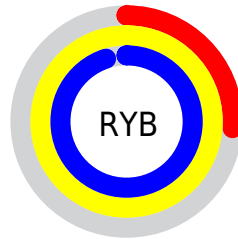
The Yxy color **73.5756, 0.3056, 0.5625** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **29.9899, 0.3076, 0.1630**, and the grayscale version is **46.4553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4847, 0.3182, 0.4861**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.4981, 0.3037, 0.5832**, and if you desaturate by 10%, it is **75.1566, 0.3075, 0.5344**.

Distribution



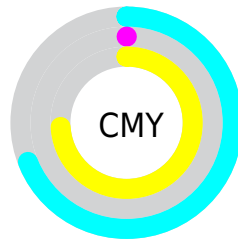
- Red (31%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (95%)



- Cyan (69%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.5756, 0.3056, 0.5625 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 73.5756, 0.3056, 0.5625 by changing the saturation by 10% instead.


 73.5756, 0.3056,
0.5625

 73.5756, 0.3056,
0.5625

473.0073, 0.3184,
0.4467


 54.4468, 0.2998,
0.5893


 124.2940, 0.3123,
0.5217

 38.9589, 0.2911,
0.6218


 156.6524, 0.3142,
0.5059

 26.7278, 0.2778,
0.6615


 194.1893, 0.3156,
0.4924

 17.3689, 0.2569,
0.7098

 237.2893, 0.3166,
0.4807

 10.4979, 0.2258,
0.7742

 286.3367, 0.3173,
0.4706

 5.7303, 0.1715,
0.8285

341.7159, 0.3178,

 2.6818, 0.0345,

0.4616

0.9655

403.8113, 0.3182,
0.4537

0.9679, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.5756, 0.3056,
0.5625

73.5756, 0.3056,
0.5625

72.4981, 0.3037,
0.5832

75.1566, 0.3075,
0.5344

71.8548, 0.3019,
0.5954

77.2824, 0.3091,
0.5012


71.6444, 0.3011,
0.5991

80.0004, 0.3104,
0.4658

83.3503, 0.3114,
0.4305

 87.3685, 0.3121,
0.3970

 92.0885, 0.3125,
0.3665

 97.5416, 0.3127,
0.3392

 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



73.5756, 0.4138, 0.5363



73.5756, 0.3056, 0.5625



73.5756, 0.2044, 0.4663

Triad

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



73.5756, 0.3056, 0.5625



73.5756, 0.1341, 0.1665



73.5756, 0.5171, 0.2968

Complementary

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



73.5756, 0.3056, 0.5625



29.9899, 0.3076, 0.1630

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.



73.5756, 0.4044, 0.2301



73.5756, 0.3056, 0.5625



73.5756, 0.1838, 0.1591

Square

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



73.5756, 0.3056, 0.5625



73.5756, 0.1194, 0.2121



73.5756, 0.2761, 0.1814



73.5756, 0.5516, 0.3716

Rectangle

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



73.5756, 0.3056, 0.5625



73.5756, 0.1561, 0.3626



73.5756, 0.2761, 0.1814



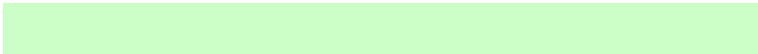
73.5756, 0.4859, 0.2733

Sweetspot

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



73.5787, 0.3056, 0.5625



88.3033, 0.3122, 0.3903



83.5343, 0.4202, 0.4797



18.6442, 0.3120, 0.3990



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.



73.5787, 0.3056, 0.5625



72.1332, 0.3027, 0.5903



74.7161, 0.2751, 0.4769



20.2280, 0.3126, 0.3535



37.4578, 0.3014, 0.5989



3.6670, 0.3048, 0.5962

Inverse Universe

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



29.9899, 0.3076, 0.1630



26.4625, 0.3052, 0.1491



28.3050, 0.4139, 0.2295



18.2328, 0.3127, 0.3055



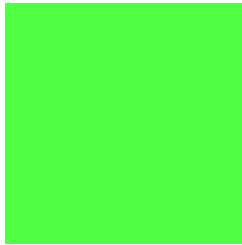
13.2437, 0.3036, 0.1446



1.3079, 0.3057, 0.1458

Previews

White Background



This preview shows how the Yxy color 73.5756, 0.3056, 0.5625 looks on a white background.

Color Contrast Check

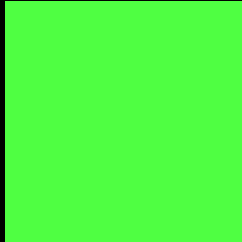
Large Text (above 18pt) WCAG AA × Fail

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 73.5756, 0.3056, 0.5625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

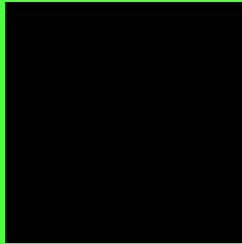
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

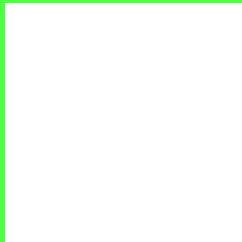
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.5756, 0.3056, 0.5625

Background



This preview shows how black text looks on a background with the Yxy color 73.5756, 0.3056, 0.5625.

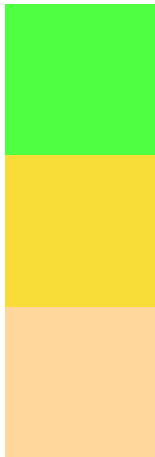


This preview shows how white text looks on a background with the Yxy color 73.5756, 0.3056, 0.5625.

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

73.5756, 0.3056, 0.5625

Protanopia

71.9648, 0.4308, 0.4747

Deuteranopia

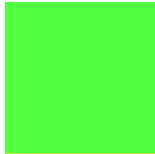
71.7534, 0.3862, 0.3887



Tritanopia

73.0226, 0.2466, 0.3079

Trichromacy



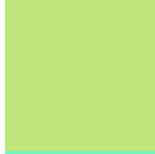
Original Color

73.5756, 0.3056, 0.5625



Protanomaly

69.1689, 0.3748, 0.5139



Deuteranomaly

68.5450, 0.3520, 0.4546



Tritanomaly

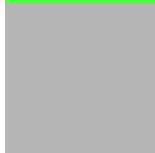
71.8914, 0.2713, 0.4040

Monochromacy



Original Color

73.5756, 0.3056, 0.5625



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.9051, 0.3117, 0.4259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.5756, 0.3056, 0.5625 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(79, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(79, 255, 66)  
}
```

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(79, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 255, 66) }
```

Border

The CSS property to change the border of an element to Yxy 73.5756, 0.3056, 0.5625 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(79, 255, 66) }
```

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

```
.border{ border-color:rgb(79, 255, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(79, 255,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 73.5756, 0.3056, 0.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 255, 66) }
```

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

```
.background{ background-color: rgb(79, 255,  
66) }
```

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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