

Converting Colors

$Y_{xy}(72.0653, 0.3008, 0.5787)$

Have a look what the booklet for
Yxy(72.0653, 0.3008, 0.5787)
contains.

Yxy(71.7669, 0.3008, 0.5790)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.7669, 0.3008, 0.5790)

Conversions

Conversions Part 1

Format	Color
Hex	31FE32
RGB	49, 254, 50
RGB Percent	19%, 100%, 20%
CMY	0.8077, 0.0039, 0.8041
CMYK	0.81, 0.00, 0.80, 0.00
HSL	120°, 99%, 59%
HSV	120°, 81%, 100%
XYZ	37.2841, 71.7669, 14.8988
YIQ	169.4490, -56.6960, -106.9040

Conversions

Conversions Part 2

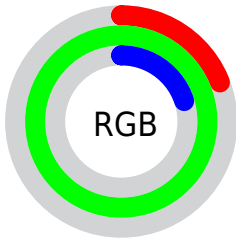
Format	Color
R_{YB}	49, 253, 254
Decimal	3276338
CIE _{Lab}	87.86, -81.64, 76.00
CIE _{LCh}	88, 111.542, 137.049
Yxy	71.7669, 0.3008, 0.5790
Android (android.graphics.Color)	4281466418 (0xFF31FE32)
YUV	169.4490, -58.8884, -105.6338
Hunter-Lab	84.7153, -69.6922, 48.8735

Details

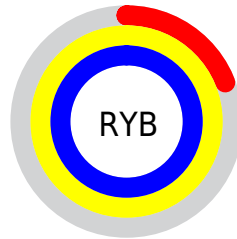
The Yxy color **71.7669, 0.3008, 0.5790** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **30.3669, 0.3214, 0.1635**, and the grayscale version is **40.2319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6178, 0.3135, 0.5042**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.1448, 0.3002, 0.5935**, and if you desaturate by 10%, it is **72.8705, 0.3018, 0.5557**.

Distribution



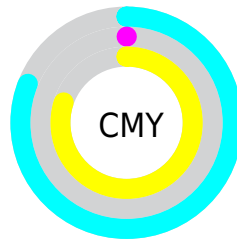
- Red (19%)
- Green (100%)
- Blue (20%)



- Red (19%)
- Yellow (99%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7669, 0.3008, 0.5790 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 71.7669, 0.3008, 0.5790 by changing the saturation by 10% instead.

 71.7669, 0.3008,
0.5790

 71.7669, 0.3008,
0.5790


466.7299, 0.3173,
0.4545

 52.9683, 0.2937,
0.6076


 121.7251, 0.3092,
0.5351


 37.7775, 0.2832,
0.6422

 153.6534, 0.3116,
0.5182


 25.8100, 0.2672,
0.6840

 190.7271, 0.3134,
0.5036

 16.6816, 0.2436,
0.7364

 233.3306, 0.3147,
0.4911

 10.0077, 0.2057,
0.7943

 281.8482, 0.3157,
0.4801

 5.4041, 0.1484,
0.8516

336.6643, 0.3164,

 2.4862, 0.0000,

0.4705

1.0000

398.1634, 0.3169,
0.4620

■ 0.8697, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 71.7669, 0.3008,
0.5790

■ 71.7669, 0.3008,
0.5790

■ 71.1448, 0.3002,
0.5935


■ 72.8705, 0.3018,
0.5557


■ 70.8889, 0.2999,
0.5998


■ 74.5161, 0.3032,
0.5254

■ 76.7649, 0.3048,
0.4907

■ 79.6675, 0.3066,
0.4546

 83.2693, 0.3083,
0.4193

 87.6116, 0.3099,
0.3864

 92.7326, 0.3113,
0.3568

 98.6677, 0.3126,
0.3307

 99.3664, 0.3128,
0.3281

Harmonies

Analogous

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



71.7669, 0.4139, 0.5467



71.7669, 0.3008, 0.5790



71.7669, 0.1959, 0.4748

Triad

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



71.7669, 0.3008, 0.5790



71.7669, 0.1266, 0.1582



71.7669, 0.5309, 0.2942

Complementary

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



71.7669, 0.3008, 0.5790



30.3669, 0.3214, 0.1635

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.



71.7669, 0.4113, 0.2254



71.7669, 0.3008, 0.5790



71.7669, 0.1780, 0.1516

Square

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



71.7669, 0.3008, 0.5790



71.7669, 0.1109, 0.2039



71.7669, 0.2748, 0.1749



71.7669, 0.5642, 0.3708

Rectangle

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



71.7669, 0.3008, 0.5790



71.7669, 0.1467, 0.3619



71.7669, 0.2748, 0.1749



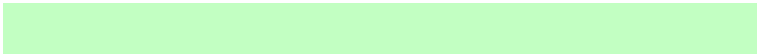
71.7669, 0.4982, 0.2701

Sweetspot

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



71.7699, 0.3008, 0.5790



86.8614, 0.3094, 0.3969



92.1800, 0.4140, 0.4964



18.2583, 0.3088, 0.4086



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.



71.7699, 0.3008, 0.5790



71.5886, 0.3000, 0.5982



73.7911, 0.2686, 0.4681



20.1695, 0.3115, 0.3535



37.3726, 0.2999, 0.5997



3.6393, 0.2997, 0.5991

Inverse Universe

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



30.3669, 0.3214, 0.1635



28.5739, 0.3220, 0.1554



25.5214, 0.4532, 0.2430



18.2989, 0.3139, 0.3057



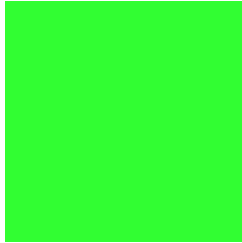
14.8432, 0.3221, 0.1548



1.4457, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 71.7669, 0.3008, 0.5790 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 71.7669, 0.3008, 0.5790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

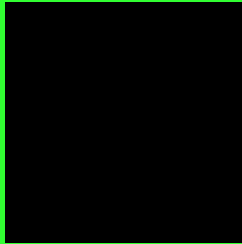
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7669, 0.3008, 0.5790

Background



This preview shows how black text looks on a background with the Yxy color 71.7669, 0.3008, 0.5790.



This preview shows how white text looks on a background with the Yxy color 71.7669, 0.3008, 0.5790.

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

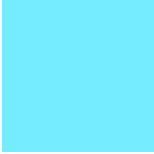
71.7669, 0.3008, 0.5790

Protanopia

70.2356, 0.4344, 0.4813

Deuteranopia

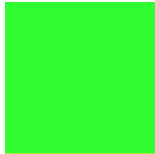
69.8929, 0.3954, 0.3968



Tritanopia

70.9928, 0.2390, 0.3063

Trichromacy



Original Color

71.7669, 0.3008, 0.5790



Protanomaly

66.8937, 0.3697, 0.5288



Deuteranomaly

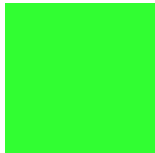
65.7673, 0.3514, 0.4707



Tritanomaly

69.6718, 0.2651, 0.4131

Monochromacy



Original Color

71.7669, 0.3008, 0.5790



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

47.1749, 0.3068, 0.4402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7669, 0.3008, 0.5790 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(49, 254, 50)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 50)  
}
```

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(49, 254, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 50) }
```

Border

The CSS property to change the border of an element to Yxy 71.7669, 0.3008, 0.5790 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(49, 254, 50) }
```

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

```
.border{ border-color:rgb(49, 254, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 254, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 50);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7669, 0.3008, 0.5790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 254, 50) }
```

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

```
.background{ background-color: rgb(49, 254,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor