

Converting Colors

$Yxy(75.2423, 0.3224, 0.5626)$

Have a look what the booklet for
Yxy(75.2423, 0.3224, 0.5626)
contains.

Yxy(75.2697, 0.3226, 0.5625)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.2697, 0.3226, 0.5625)

Conversions

Conversions Part 1

Format	Color
Hex	71FF33
RGB	113, 255, 51
RGB Percent	44%, 100%, 20%
CMY	0.5568, 0.0000, 0.8003
CMYK	0.56, 0.00, 0.80, 0.00
HSL	102°, 100%, 60%
HSV	102°, 80%, 100%
XYZ	43.1680, 75.2697, 15.3751
YIQ	189.2860, -19.1480, -93.5480

Conversions

Conversions Part 2

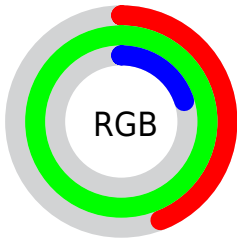
Format	Color
RYB	51, 255, 193
Decimal	7470899
CIELab	89.52, -70.49, 77.78
CIELCh	90, 104.969, 132.184
Yxy	75.2697, 0.3226, 0.5625
Android (android.graphics.Color)	4285660979 (0xFF71FF33)
YUV	189.2860, -68.1750, -66.9028
Hunter-Lab	86.7581, -63.0109, 50.2234

Details

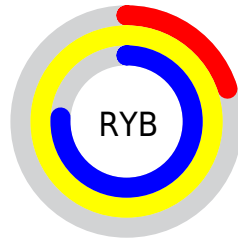
The Yxy color **75.2697, 0.3226, 0.5625** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **20.9053, 0.2598, 0.1318**, and the grayscale version is **51.4661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0820, 0.3393, 0.4892**, and **40.2238, 0.3045, 0.5965** is the 20% darker color. If you saturate the color by 10%, you get **74.0399, 0.3183, 0.5793**, and if you desaturate by 10%, it is **76.8539, 0.3255, 0.5391**.

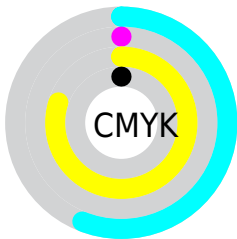
Distribution



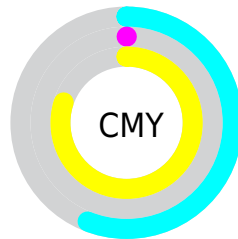
- Red (44%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (76%)



- Cyan (56%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (56%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2697, 0.3226, 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 75.2697, 0.3226, 0.5625 by changing the saturation by 10% instead.


 75.2697, 0.3226,
0.5625


 75.2697, 0.3226,
0.5625


478.8441, 0.3284,
0.4490


 55.8339, 0.3181,
0.5879


 126.6941, 0.3271,
0.5232

 40.0697, 0.3108,
0.6182


 159.4514, 0.3281,
0.5077


 27.5929, 0.2991,
0.6544


 197.4180, 0.3287,
0.4945

 18.0190, 0.2806,
0.6988

 240.9783, 0.3289,
0.4829

 10.9636, 0.2502,
0.7498

 290.5166, 0.3290,
0.4729

 6.0424, 0.2000,
0.8000


346.4174, 0.3289,

 2.8709, 0.1040,

0.4640


0.8960


409.0651, 0.3287,
0.4561


 1.0647, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.2697, 0.3226,
0.5625


 75.2697, 0.3226,
0.5625

 74.0399, 0.3183,
0.5793


 76.8539, 0.3255,
0.5391

 73.1226, 0.3133,
0.5894


 78.8206, 0.3268,
0.5106

 81.1965, 0.3267,
0.4788

 84.0056, 0.3253,
0.4460

 87.2694, 0.3229,
0.4136

 91.0081, 0.3198,
0.3830

 95.2405, 0.3164,
0.3547

99.9846, 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.



75.2697, 0.4287, 0.5240



75.2697, 0.3226, 0.5625



75.2697, 0.2192, 0.4856

Triad

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



75.2697, 0.3226, 0.5625



75.2697, 0.1313, 0.1721



75.2697, 0.5018, 0.2868

Complementary

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



75.2697, 0.3226, 0.5625



20.9053, 0.2598, 0.1318

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.



75.2697, 0.3834, 0.2223



75.2697, 0.3226, 0.5625



75.2697, 0.1751, 0.1597

Square

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



75.2697, 0.3226, 0.5625



75.2697, 0.1217, 0.2247



75.2697, 0.2600, 0.1776



75.2697, 0.5497, 0.3602

Rectangle

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



75.2697, 0.3226, 0.5625



75.2697, 0.1668, 0.3853



75.2697, 0.2600, 0.1776



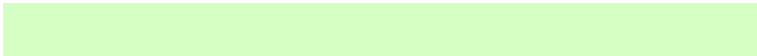
75.2697, 0.4674, 0.2639

Sweetspot

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



75.2704, 0.3226, 0.5625



89.4660, 0.3211, 0.3949



58.4880, 0.4639, 0.4497



18.8671, 0.3222, 0.4059



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.



75.2704, 0.3226, 0.5625



73.4592, 0.3153, 0.5859



72.9319, 0.2921, 0.5477



20.4361, 0.3162, 0.3532



38.2762, 0.3143, 0.5886



3.7811, 0.3226, 0.5821

Inverse Universe

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



20.9053, 0.2598, 0.1318



17.2060, 0.2469, 0.1145



28.6611, 0.3611, 0.1881



18.0068, 0.3089, 0.3052



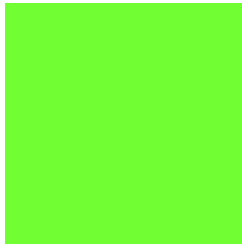
8.7636, 0.2451, 0.1124



0.9106, 0.2539, 0.1172

Previews

White Background



This preview shows how the Yxy color 75.2697, 0.3226, 0.5625 looks on a white background.

Color Contrast Check

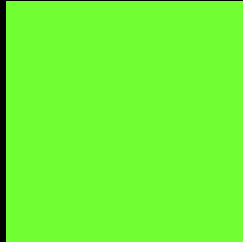
Large Text (above 18pt) WCAG AA × Fail

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 75.2697, 0.3226, 0.5625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

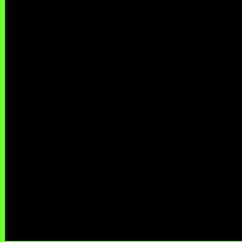
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

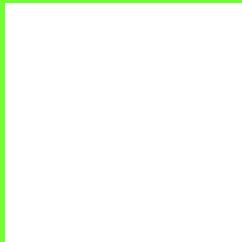
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.2697, 0.3226, 0.5625

Background



This preview shows how black text looks on a background with the Yxy color 75.2697, 0.3226, 0.5625.

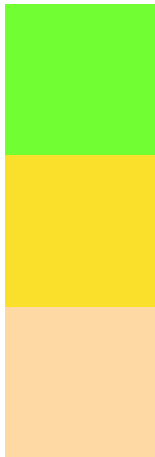


This preview shows how white text looks on a background with the Yxy color 75.2697, 0.3226, 0.5625.

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

75.2697, 0.3226, 0.5625

Protanopia

73.9950, 0.4345, 0.4808

Deuteranopia

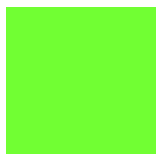
73.5660, 0.3793, 0.3835



Tritanopia

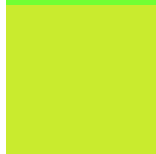
74.7569, 0.2552, 0.3084

Trichromacy



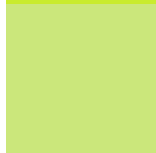
Original Color

75.2697, 0.3226, 0.5625



Protanomaly

72.0314, 0.3879, 0.5147



Deuteranomaly

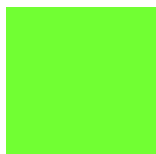
71.2784, 0.3604, 0.4524



Tritanomaly

73.6130, 0.2856, 0.4082

Monochromacy



Original Color

75.2697, 0.3226, 0.5625



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.0296, 0.3236, 0.4277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2697, 0.3226, 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(113, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 75.2697, 0.3226, 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(113, 255, 51) }
```

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

```
.border{ border-color:rgb(113, 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(113, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(113, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2697, 0.3226, 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(113, 255, 51) }
```

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

```
.background{ background-color: rgb(113,  
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](#).

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