

Converting Colors

$Y_{xy}(72.6653, 0.2917, 0.5529)$

Have a look what the booklet for
Yxy(72.6653, 0.2917, 0.5529)
contains.

Yxy(72.6523, 0.2917, 0.5531)	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(72.6523, 0.2917, 0.5531)

Conversions

Conversions Part 1

Format	Color
Hex	2AFF54
RGB	42, 255, 84
RGB Percent	16%, 100%, 33%
CMY	0.8350, 0.0000, 0.6707
CMYK	0.84, 0.00, 0.67, 0.00
HSL	132°, 100%, 58%
HSV	132°, 84%, 100%
XYZ	38.3162, 72.6523, 20.3863
YIQ	171.8190, -72.0570, -98.3370

Conversions

Conversions Part 2

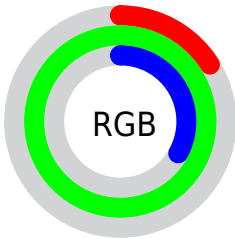
Format	Color
RYB	42, 220, 255
Decimal	2817876
CIELab	88.28, -80.13, 65.38
CIELCh	88, 103.417, 140.788
Yxy	72.6523, 0.2917, 0.5531
Android (android.graphics.Color)	4281007956 (0xFF2AFF54)
YUV	171.8190, -43.2948, -113.8513
Hunter-Lab	85.2363, -68.9227, 45.4848

Details

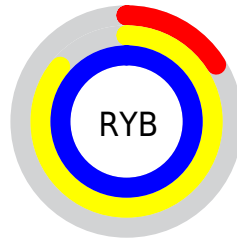
The Yxy color **72.6523, 0.2917, 0.5531** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **27.7288, 0.3671, 0.1882**, and the grayscale version is **41.4179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0026, 0.3000, 0.4737**, and **39.5143, 0.2987, 0.5953** is the 20% darker color. If you saturate the color by 10%, you get **71.9997, 0.2937, 0.5731**, and if you desaturate by 10%, it is **73.7422, 0.2909, 0.5279**.

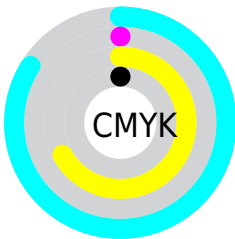
Distribution



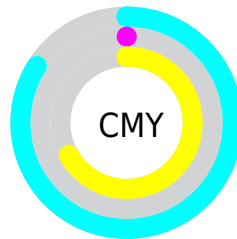
- Red (16%)
- Green (100%)
- Blue (33%)



- Red (16%)
- Yellow (86%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)




- Cyan (84%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6523, 0.2917, 0.5531 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 72.6523, 0.2917, 0.5531 by changing the saturation by 10% instead.


 72.6523, 0.2917,
0.5531


 72.6523, 0.2917,
0.5531


469.8089, 0.3096,
0.4404


 53.6917, 0.2852,
0.5799


 122.9835, 0.2998,
0.5128


 38.3552, 0.2759,
0.6130


 155.1228, 0.3024,
0.4975

 26.2585, 0.2621,
0.6543


 192.4239, 0.3044,
0.4844

 17.0171, 0.2410,
0.7060

 235.2711, 0.3059,
0.4731

 10.2467, 0.2120,
0.7846

284.0488, 0.3071,
0.4633

 5.5628, 0.1566,
0.8434


339.1414, 0.3081,


 2.5811, 0.0000,


0.4547


1.0000


400.9333, 0.3089,
0.4472


 0.9172, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 72.6523, 0.2917,
0.5531


 72.6523, 0.2917,
0.5531

 71.9997, 0.2937,
0.5731


 73.7422, 0.2909,
0.5279


 71.7520, 0.2953,
0.5830


 75.3297, 0.2914,
0.4992


 77.4685, 0.2932,
0.4687


 80.2046, 0.2959,
0.4383

 83.5790, 0.2993,
0.4091

 87.6289, 0.3032,
0.3821

 92.3888, 0.3072,
0.3577

 97.8907, 0.3113,
0.3360

 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.



72.6523, 0.3993, 0.5424



72.6523, 0.2917, 0.5531



72.6523, 0.1947, 0.4437

Triad

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



72.6523, 0.2917, 0.5531



72.6523, 0.1405, 0.1654



72.6523, 0.5240, 0.3073

Complementary

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



72.6523, 0.2917, 0.5531



27.7288, 0.3671, 0.1882

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.



72.6523, 0.4207, 0.2396



72.6523, 0.2917, 0.5531



72.6523, 0.1952, 0.1623

Square

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



72.6523, 0.2917, 0.5531



72.6523, 0.1215, 0.2048



72.6523, 0.2925, 0.1881



72.6523, 0.5465, 0.3826

Rectangle

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



72.6523, 0.2917, 0.5531



72.6523, 0.1509, 0.3424



72.6523, 0.2925, 0.1881



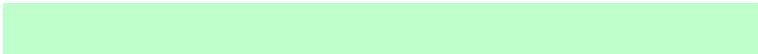
72.6523, 0.4969, 0.2837

Sweetspot

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



72.6534, 0.2917, 0.5531



86.9788, 0.3026, 0.3860



86.2807, 0.3880, 0.5191



18.3034, 0.3012, 0.3953



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.



72.6534, 0.2917, 0.5531



71.7520, 0.2953, 0.5830



75.6259, 0.2529, 0.4181



20.2266, 0.3089, 0.3487



37.5084, 0.2947, 0.5808



3.6666, 0.2893, 0.5615

Inverse Universe

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



27.7288, 0.3671, 0.1882



25.6583, 0.3793, 0.1863



24.0353, 0.5230, 0.2802



18.2355, 0.3168, 0.3101



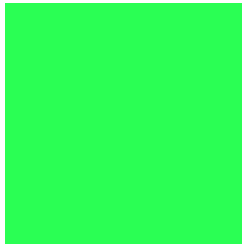
13.4287, 0.3781, 0.1857



1.3224, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 72.6523, 0.2917, 0.5531 looks on a white background.

Color Contrast Check

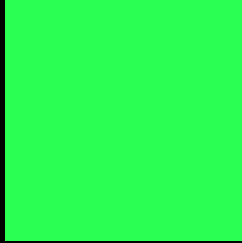
Large Text (above 18pt) WCAG AA × Fail

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 72.6523, 0.2917, 0.5531 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

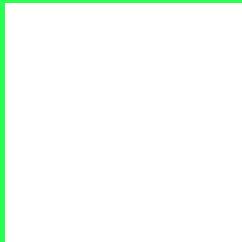
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6523, 0.2917, 0.5531

Background



This preview shows how black text looks on a background with the Yxy color 72.6523, 0.2917, 0.5531.

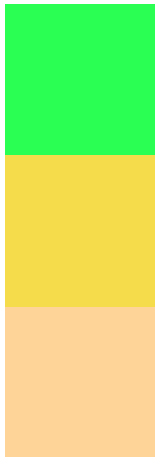


This preview shows how white text looks on a background with the Yxy color 72.6523, 0.2917, 0.5531.

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

72.6523, 0.2917, 0.5531

Protanopia

71.0933, 0.4232, 0.4665

Deuteranopia

70.6469, 0.3892, 0.3898



Tritanopia

71.9259, 0.2411, 0.3076

Trichromacy



Original Color

72.6523, 0.2917, 0.5531



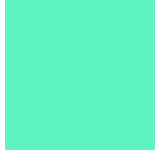
Protanomaly

67.4858, 0.3570, 0.5092



Deuteranomaly

66.5103, 0.3398, 0.4520



Tritanomaly

70.8788, 0.2596, 0.3959

Monochromacy



Original Color

72.6523, 0.2917, 0.5531



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

48.4945, 0.2979, 0.4211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6523, 0.2917, 0.5531 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(42, 255, 84)` looks like.

```
.text, #text, p{  
    color:rgb(42, 255, 84)  
}
```

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(42, 255, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 255, 84) }
```

Border

The CSS property to change the border of an element to Yxy 72.6523, 0.2917, 0.5531 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(42, 255, 84) }
```

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

```
.border{ border-color:rgb(42, 255, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 255, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 255, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 255, 84);  
box-shadow:4px 4px 4px 4px rgb(42, 255,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6523, 0.2917, 0.5531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 255, 84) }
```

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

```
.background{ background-color: rgb(42, 255,  
84) }
```

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