

Converting Colors

$Y_{xy}(71.7227, 0.3002, 0.5951)$

Have a look what the booklet for
Yxy(71.7227, 0.3002, 0.5951)
contains.

| | |
|--|----|
| Yxy(71.7192, 0.3002, 0.5952) | 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(71.7192, 0.3002, 0.5952)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 14FF14 |
| RGB | 20, 255, 20 |
| RGB Percent | 8%, 100%, 8% |
| CMY | 0.9223, 0.0000, 0.9210 |
| CMYK | 0.92, 0.00, 0.92, 0.00 |
| HSL | 120°, 100%, 54% |
| HSV | 120°, 92%, 100% |
| XYZ | 36.1729, 71.7192, 12.6039 |
| YIQ | 157.9450, -64.6250, -122.9050 |

Conversions

Conversions Part 2

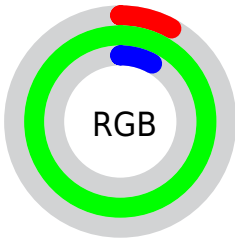
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 20, 255, 255 |
| Decimal | 1376020 |
| CIELab | 87.83, -85.22, 81.55 |
| CIELCh | 88, 117.950, 136.259 |
| Yxy | 71.7192, 0.3002, 0.5952 |
| Android (android.graphics.Color) | 4279566100 (0xFF14FF14) |
| YUV | 157.9450, -68.0069, -120.9778 |
| Hunter-Lab | 84.6872, -71.9589, 50.4570 |

Details

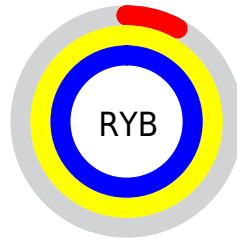
The Yxy color **71.7192, 0.3002, 0.5952** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **28.9537, 0.3211, 0.1563**, and the grayscale version is **34.4841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5940, 0.3149, 0.5234**, and **39.4799, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.5208, 0.3000, 0.5999**, and if you desaturate by 10%, it is **72.2794, 0.3008, 0.5822**.

Distribution



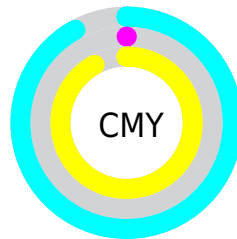
- Red (8%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (100%)



- Cyan (92%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)





- Cyan (92%)
- Magenta (0%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7192, 0.3002, 0.5952 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 71.7192, 0.3002, 0.5952 by changing the saturation by 10% instead.

 71.7192, 0.3002,
0.5952

 71.7192, 0.3002,
0.5952

 466.5636, 0.3188,
0.4632


 52.9293, 0.2921,
0.6249


 121.6572, 0.3097,
0.5491

 37.7464, 0.2801,
0.6604


 153.5742, 0.3125,
0.5311

 25.7859, 0.2621,
0.7024


 190.6356, 0.3145,
0.5157

 16.6635, 0.2375,
0.7596

 233.2259, 0.3160,
0.5023

 9.9949, 0.1941,
0.8059

 281.7294, 0.3171,
0.4907

 5.3956, 0.1359,
0.8641


 336.5306, 0.3179,

 2.4812, 0.0000,


0.4804


1.0000


398.0139, 0.3184,
0.4713


 0.8672, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 71.7192, 0.3002,
0.5952


 71.7192, 0.3002,
0.5952

 71.5208, 0.3000,
0.5999

 72.2794, 0.3008,
0.5822


 73.3087, 0.3018,
0.5603


 74.8788, 0.3032,
0.5309


 77.0498, 0.3048,
0.4967

 79.8742, 0.3065,
0.4605

 83.3986, 0.3082,
0.4249

 87.6653, 0.3097,
0.3914

 92.7134, 0.3112,
0.3612

 98.5792, 0.3125,
0.3345

Harmonies

Analogous

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



71.7192, 0.4174, 0.5527



71.7192, 0.3002, 0.5952



71.7192, 0.1914, 0.4890

Triad

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



71.7192, 0.3002, 0.5952



71.7192, 0.1189, 0.1518



71.7192, 0.5403, 0.2890

Complementary

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



71.7192, 0.3002, 0.5952



28.9537, 0.3211, 0.1563

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.



71.7192, 0.4123, 0.2189



71.7192, 0.3002, 0.5952



71.7192, 0.1702, 0.1446

Square

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



71.7192, 0.3002, 0.5952



71.7192, 0.1035, 0.1992



71.7192, 0.2690, 0.1678



71.7192, 0.5759, 0.3667

Rectangle

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



71.7192, 0.3002, 0.5952



71.7192, 0.1403, 0.3673



71.7192, 0.2690, 0.1678



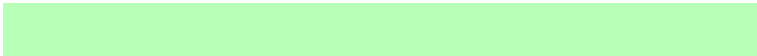
71.7192, 0.5052, 0.2645

Sweetspot

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



71.7179, 0.3002, 0.5952



85.1090, 0.3088, 0.4104



92.8299, 0.4181, 0.5032



17.8433, 0.3081, 0.4252



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.



71.7179, 0.3002, 0.5952



71.5208, 0.3000, 0.5999



73.4848, 0.2707, 0.4901



20.1686, 0.3115, 0.3535



37.3713, 0.3000, 0.5999



3.6388, 0.2999, 0.5997

Inverse Universe

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



28.9537, 0.3211, 0.1563



28.4579, 0.3213, 0.1543



23.5720, 0.4818, 0.2467



18.3000, 0.3138, 0.3056



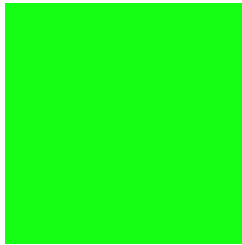
14.8701, 0.3213, 0.1543



1.4480, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 71.7192, 0.3002, 0.5952 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 71.7192, 0.3002, 0.5952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

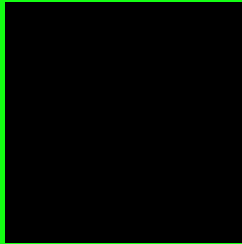
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

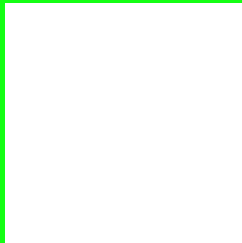
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.7192, 0.3002, 0.5952

Background



This preview shows how black text looks on a background with the Yxy color 71.7192, 0.3002, 0.5952.

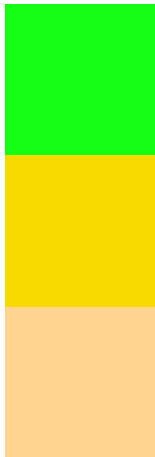


This preview shows how white text looks on a background with the Yxy color 71.7192, 0.3002, 0.5952.

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

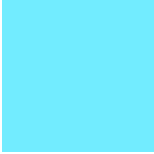
71.7192, 0.3002, 0.5952

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

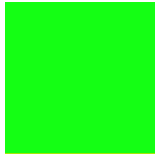
69.8621, 0.3961, 0.3978



Tritanopia

70.7883, 0.2379, 0.3062

Trichromacy



Original Color

71.7192, 0.3002, 0.5952



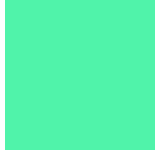
Protanomaly

65.0597, 0.3678, 0.5448



Deuteranomaly

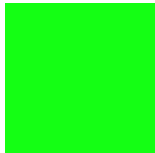
64.2740, 0.3487, 0.4864



Tritanomaly

68.7089, 0.2657, 0.4284

Monochromacy



Original Color

71.7192, 0.3002, 0.5952



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

42.4108, 0.3064, 0.4647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7192, 0.3002, 0.5952 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(20, 255, 20)` looks like.

```
.text, #text, p{  
    color:rgb(20, 255, 20)  
}
```

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(20, 255, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 255, 20) }
```

Border

The CSS property to change the border of an element to Yxy 71.7192, 0.3002, 0.5952 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(20, 255, 20) }
```

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

```
.border{ border-color:rgb(20, 255, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 255, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 255, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 255, 20);  
box-shadow:4px 4px 4px 4px rgb(20, 255,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7192, 0.3002, 0.5952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 255, 20) }
```

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

```
.background{ background-color: rgb(20, 255,  
20) }
```

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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