

Converting Colors

$Y_{xy}(75.1433, 0.3040, 0.5276)$

Have a look what the booklet for
Yxy(75.1433, 0.3040, 0.5276)
contains.

Yxy(75.1302, 0.3038, 0.5275)	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

$Y_{xy}(75.1302, 0.3038, 0.5275)$

Conversions

Conversions Part 1

Format	Color
Hex	64FF63
RGB	100, 255, 99
RGB Percent	39%, 100%, 39%
CMY	0.6078, 0.0000, 0.6117
CMYK	0.61, 0.00, 0.61, 0.00
HSL	120°, 100%, 69%
HSV	120°, 61%, 100%
XYZ	43.2693, 75.1302, 24.0274
YIQ	190.8710, -42.3040, -81.3760

Conversions

Conversions Part 2

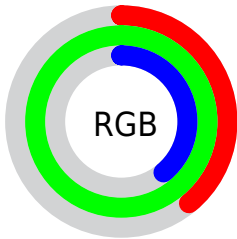
Format	Color
RYB	99, 255, 254
Decimal	6618979
CIELab	89.45, -69.91, 60.96
CIELCh	89, 92.751, 138.912
Yxy	75.1302, 0.3038, 0.5275
Android (android.graphics.Color)	4284809059 (0xFF64FF63)
YUV	190.8710, -45.2924, -79.6939
Hunter-Lab	86.6777, -62.5791, 44.2389

Details

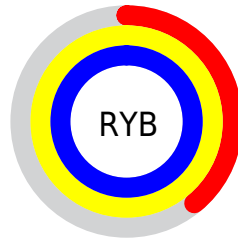
The Yxy color **75.1302, 0.3038, 0.5275** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.2161, 0.3184, 0.1870**, and the grayscale version is **52.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7456, 0.3127, 0.4492**, and **40.0926, 0.2942, 0.5792** is the 20% darker color. If you saturate the color by 10%, you get **73.4909, 0.3023, 0.5575**, and if you desaturate by 10%, it is **77.3748, 0.3054, 0.4930**.

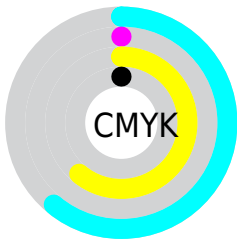
Distribution



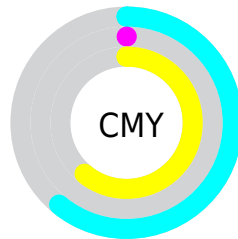
- Red (39%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.1302, 0.3038, 0.5275 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 75.1302, 0.3038, 0.5275 by changing the saturation by 10% instead.


 75.1302, 0.3038,
0.5275

 75.1302, 0.3038,
0.5275


478.3650, 0.3144,
0.4289


 55.7196, 0.2995,
0.5508


 126.4966, 0.3090,
0.4924

 39.9781, 0.2931,
0.5797


 159.2212, 0.3105,
0.4790

 27.5215, 0.2833,
0.6160


 197.1526, 0.3117,
0.4675

 17.9653, 0.2678,
0.6621

 240.6752, 0.3126,
0.4577

 10.9250, 0.2436,
0.7237

290.1733, 0.3132,
0.4491

 6.0165, 0.2019,
0.7981


346.0314, 0.3137,


 2.8551, 0.1065,


0.4415


0.8935


408.6338, 0.3141,
0.4349

 1.0566, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.1302, 0.3038,
0.5275

 75.1302, 0.3038,
0.5275


 73.4909, 0.3023,
0.5575

 77.3748, 0.3054,
0.4930


 72.3951, 0.3012,
0.5803

 80.2720, 0.3071,
0.4567


 71.7742, 0.3004,
0.5942

 83.8683, 0.3087,
0.4212

 71.5306, 0.3001,
0.5999

 88.2051, 0.3102,
0.3881

 93.3207, 0.3115,
0.3582

 99.2505, 0.3126,
0.3319

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.



75.1302, 0.4021, 0.5195



75.1302, 0.3038, 0.5275



75.1302, 0.2128, 0.4376

Triad

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



75.1302, 0.3038, 0.5275



75.1302, 0.1526, 0.1811



75.1302, 0.4971, 0.3080

Complementary

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



75.1302, 0.3038, 0.5275



37.2161, 0.3184, 0.1870

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.



75.1302, 0.4023, 0.2448



75.1302, 0.3038, 0.5275



75.1302, 0.2021, 0.1754

Square

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



75.1302, 0.3038, 0.5275



75.1302, 0.1369, 0.2219



75.1302, 0.2890, 0.1979



75.1302, 0.5251, 0.3787

Rectangle

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



75.1302, 0.3038, 0.5275



75.1302, 0.1696, 0.3507



75.1302, 0.2890, 0.1979



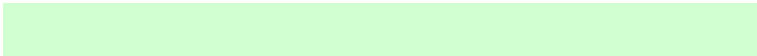
75.1302, 0.4712, 0.2858

Sweetspot

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



75.1314, 0.3038, 0.5275



89.7415, 0.3106, 0.3783



92.0335, 0.4004, 0.4698



18.9060, 0.3102, 0.3873



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.



75.1314, 0.3038, 0.5275



73.2517, 0.3021, 0.5623



77.2452, 0.2723, 0.4329



20.1737, 0.3117, 0.3536



37.3787, 0.3001, 0.5999



3.6413, 0.3004, 0.5996

Inverse Universe

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



37.2161, 0.3184, 0.1870



32.4912, 0.3190, 0.1700



33.4653, 0.4024, 0.2498



18.2941, 0.3137, 0.3056



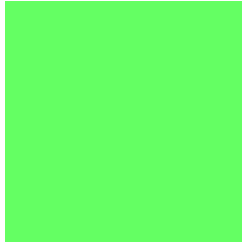
14.7222, 0.3193, 0.1533



1.4353, 0.3195, 0.1534

Previews

White Background



This preview shows how the Yxy color 75.1302, 0.3038, 0.5275 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 75.1302, 0.3038, 0.5275 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

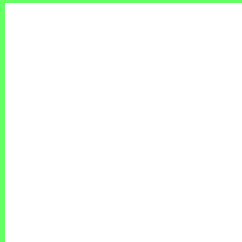
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.1302, 0.3038, 0.5275

Background



This preview shows how black text looks on a background with the Yxy color 75.1302, 0.3038, 0.5275.

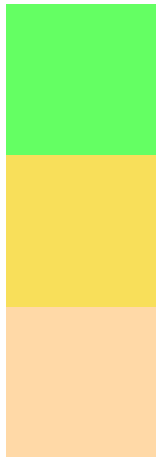


This preview shows how white text looks on a background with the Yxy color 75.1302, 0.3038, 0.5275.

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

75.1302, 0.3038, 0.5275

Protanopia

73.4700, 0.4165, 0.4571

Deuteranopia

73.6757, 0.3771, 0.3805



Tritanopia

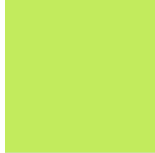
74.1779, 0.2524, 0.3083

Trichromacy



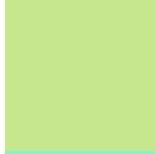
Original Color

75.1302, 0.3038, 0.5275



Protanomaly

71.6763, 0.3670, 0.4877



Deuteranomaly

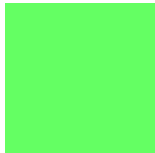
71.2469, 0.3464, 0.4329



Tritanomaly

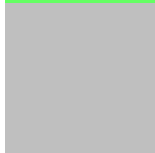
73.6039, 0.2726, 0.3866

Monochromacy



Original Color

75.1302, 0.3038, 0.5275



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.8309, 0.3092, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1302, 0.3038, 0.5275 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(100, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 99)  
}
```

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(100, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 75.1302, 0.3038, 0.5275 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(100, 255, 99) }
```

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

```
.border{ border-color:rgb(100, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1302, 0.3038, 0.5275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 99) }
```

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

```
.background{ background-color: rgb(100,  
255, 99) }
```

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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