

Converting Colors

Yxy(74.9621, 0.3625, 0.4913)

Have a look what the booklet for
Yxy(74.9621, 0.3625, 0.4913)
contains.

Yxy(74.9433, 0.3622, 0.4912)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.9433, 0.3622, 0.4912)

Conversions

Conversions Part 1

Format	Color
Hex	C0F15F
RGB	192, 241, 95
RGB Percent	75%, 95%, 37%
CMY	0.2470, 0.0549, 0.6276
CMYK	0.20, 0.00, 0.61, 0.05
HSL	80°, 84%, 66%
HSV	80°, 61%, 95%
XYZ	55.2615, 74.9433, 22.3670
YIQ	209.7050, 17.6620, -55.7940

Conversions

Conversions Part 2

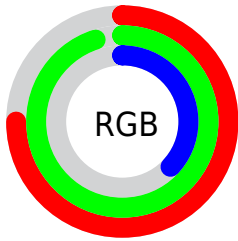
Format	Color
R_{YB}	95, 241, 144
Decimal	12644703
CIE Lab	89.37, -36.85, 63.66
CIE LCh	89, 73.554, 120.065
Yxy	74.9433, 0.3622, 0.4912
Android (android.graphics.Color)	4290834783 (0xFFC0F15F)
YUV	209.7050, -56.5496, -15.5273
Hunter-Lab	86.5698, -37.5523, 45.2801

Details

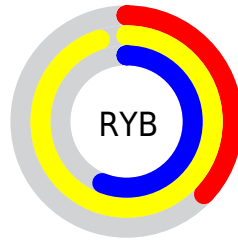
The Yxy color **74.9433, 0.3622, 0.4912** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **20.4500, 0.2289, 0.1488**, and the grayscale version is **64.6158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2312, 0.3717, 0.4322**, and **39.9762, 0.3660, 0.5290** is the 20% darker color. If you saturate the color by 10%, you get **73.5479, 0.3654, 0.5134**, and if you desaturate by 10%, it is **76.5388, 0.3568, 0.4658**.

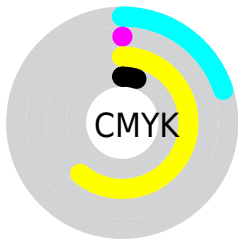
Distribution



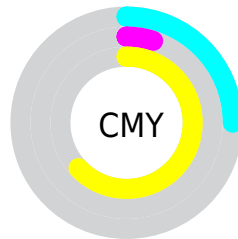
- Red (75%)
- Green (95%)
- Blue (37%)



- Red (37%)
- Yellow (95%)
- Blue (56%)



- Cyan (20%)
- Magenta (0%)
- Yellow (61%)
- Black (5%)



- Cyan (25%)
- Magenta (5%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9433, 0.3622, 0.4912 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 74.9433, 0.3622, 0.4912 by changing the saturation by 10% instead.

 74.9433, 0.3622,
0.4912

 74.9433, 0.3622,
0.4912


477.7227, 0.3446,
0.4146


 55.5664, 0.3644,
0.5082


 126.2321, 0.3574,
0.4648


 39.8554, 0.3661,
0.5287

 158.9128, 0.3552,
0.4545

 27.4258, 0.3666,
0.5534


 196.7970, 0.3531,
0.4455

 17.8933, 0.3642,
0.5835

 240.2689, 0.3511,
0.4377

 10.8734, 0.3588,
0.6243

289.7131, 0.3493,
0.4309

 5.9818, 0.3369,
0.6631

345.5138, 0.3476,

 2.8340, 0.2930,

0.4248

0.7070

408.0555, 0.3460,
0.4194

■ 1.0457, 0.0760,
0.9240

■ 0.0000, 0.0000,
0.0000

■ 74.9433, 0.3622,
0.4912

■ 74.9433, 0.3622,
0.4912

■ 73.5479, 0.3654,
0.5134

■ 76.5388, 0.3568,
0.4658

■ 72.3287, 0.3660,
0.5312


■ 78.3367, 0.3497,
0.4384

■ 71.2726, 0.3641,
0.5440


■ 80.3513, 0.3413,
0.4102


■ 70.4039, 0.3605,
0.5519

■ 82.5926, 0.3322,
0.3824

 85.0700, 0.3227,
0.3556

 87.7924, 0.3133,
0.3305

 90.1979, 0.3092,
0.3154

 91.3918, 0.3133,
0.3156

Harmonies

Analogous

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



74.9433, 0.4359, 0.4588



74.9433, 0.3622, 0.4912



74.9433, 0.2799, 0.4636

Triad

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



74.9433, 0.3622, 0.4912



74.9433, 0.1669, 0.2261



74.9433, 0.4167, 0.2795

Complementary

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



74.9433, 0.3622, 0.4912



20.4500, 0.2289, 0.1488

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.



74.9433, 0.3277, 0.2325



74.9433, 0.3622, 0.4912



74.9433, 0.1913, 0.2012

Square

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



74.9433, 0.3622, 0.4912



74.9433, 0.1727, 0.2858



74.9433, 0.2460, 0.2048



74.9433, 0.4759, 0.3378

Rectangle

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



74.9433, 0.3622, 0.4912



74.9433, 0.2312, 0.4097



74.9433, 0.2460, 0.2048



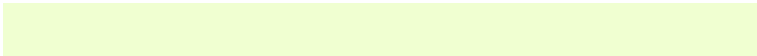
74.9433, 0.3884, 0.2621

Sweetspot

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



74.9466, 0.3622, 0.4912



94.5849, 0.3298, 0.3754



39.3629, 0.4663, 0.3804



20.0758, 0.3325, 0.3834



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.



74.9466, 0.3622, 0.4912



83.2292, 0.3658, 0.5185



67.6800, 0.3153, 0.5184



18.1781, 0.3216, 0.3527



38.2546, 0.3615, 0.5512



3.2367, 0.3692, 0.5451

Inverse Universe

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



20.4500, 0.2289, 0.1488



16.3053, 0.2081, 0.1148



29.2266, 0.2956, 0.1782



15.4863, 0.3032, 0.3050



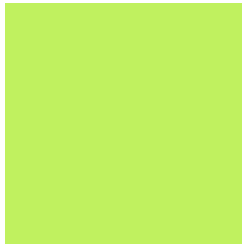
4.4543, 0.1748, 0.0737



0.4231, 0.1891, 0.0815

Previews

White Background



This preview shows how the Yxy color 74.9433, 0.3622, 0.4912 looks on a white background.

Color Contrast Check

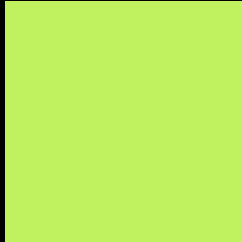
Large Text (above 18pt) WCAG AA × Fail

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 74.9433, 0.3622, 0.4912 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 74.9433, 0.3622, 0.4912

Background



This preview shows how black text looks on a background with the Yxy color 74.9433, 0.3622, 0.4912.



This preview shows how white text looks on a background with the Yxy color 74.9433, 0.3622, 0.4912.

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

74.9433, 0.3622, 0.4912

Protanopia

74.1892, 0.4166, 0.4574

Deuteranopia

74.3051, 0.3746, 0.3784



Tritanopia

74.6260, 0.2909, 0.3096

Trichromacy



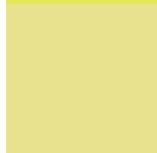
Original Color

74.9433, 0.3622, 0.4912



Protanomaly

73.8603, 0.3959, 0.4699



Deuteranomaly

73.5317, 0.3724, 0.4185



Tritanomaly

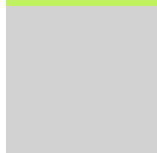
73.5660, 0.3194, 0.3759

Monochromacy



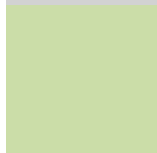
Original Color

74.9433, 0.3622, 0.4912



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.2366, 0.3350, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9433, 0.3622, 0.4912 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(192, 241, 95)` looks like.

```
.text, #text, p{  
    color:rgb(192, 241, 95)  
}
```

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(192, 241, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 241, 95) }
```

Border

The CSS property to change the border of an element to Yxy 74.9433, 0.3622, 0.4912 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(192, 241, 95) }
```

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

```
.border{ border-color:rgb(192, 241, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 241, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 241, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 241, 95);  
box-shadow:4px 4px 4px 4px rgb(192, 241,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9433, 0.3622, 0.4912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 241, 95) }
```

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

```
.background{ background-color: rgb(192,  
241, 95) }
```

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