

Converting Colors

Yxy(91.2102, 0.4135, 0.5099)

Have a look what the booklet for
Yxy(91.2102, 0.4135, 0.5099)
contains.

Yxy(91.2942, 0.4138, 0.5097)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(91.2942, 0.4138, 0.5097)

Conversions

Conversions Part 1

Format	Color
Hex	F7FF00
RGB	247, 255, 0
RGB Percent	97%, 100%, 0%
CMY	0.0314, 0.0000, 1.0000
CMYK	0.03, 0.00, 1.00, 0.00
HSL	62°, 100%, 50%
HSV	62°, 100%, 100%
XYZ	74.1172, 91.2942, 13.7022
YIQ	223.5380, 77.0870, -81.0010

Conversions

Conversions Part 2

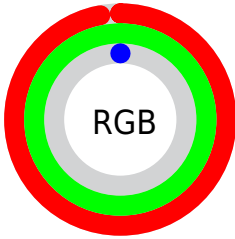
Format	Color
RYB	0, 255, 8
Decimal	16252672
CIELab	96.53, -24.83, 93.79
CIELCh	97, 97.026, 104.827
Yxy	91.2942, 0.4138, 0.5097
Android (android.graphics.Color)	4294442752 (0xFFFF7FF00)
YUV	223.5380, -110.2042, 20.5762
Hunter-Lab	95.5480, -28.7454, 58.3810

Details

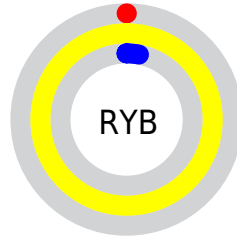
The Yxy color **91.2942, 0.4138, 0.5097** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.2716, 0.1507, 0.0604**, and the grayscale version is **74.9555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **51.2860, 0.4079, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **91.2950, 0.4138, 0.5097**, and if you desaturate by 10%, it is **91.5130, 0.4126, 0.5062**.

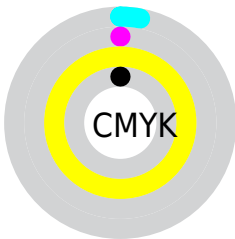
Distribution



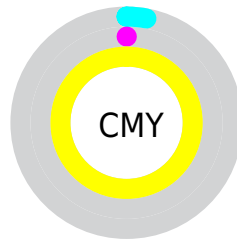
- Red (97%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (3%)



- Cyan (3%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.2942, 0.4138, 0.5097 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 91.2942, 0.4138, 0.5097 by changing the saturation by 10% instead.


 91.2942, 0.4138,
0.5097

 91.2942, 0.4138,
0.5097


532.2319, 0.3794,
0.4352


 69.0545, 0.4180,
0.5231

 149.1348, 0.4048,
0.4866

 50.7561, 0.4214,
0.5376

 185.5045, 0.4004,
0.4768


 36.0146, 0.4231,
0.5531


 227.3531, 0.3963,
0.4680

 24.4454, 0.4232,
0.5708

 275.0648, 0.3924,
0.4601

 15.6644, 0.4156,
0.5844

 329.0242, 0.3888,
0.4529

 9.2870, 0.4015,
0.5985


 389.6156, 0.3854,


 4.9288, 0.3805,


0.4464


0.6195


457.2233, 0.3823,
0.4406


 2.2056, 0.3463,
0.6537


 0.7230, 0.1008,
0.8992


 91.2942, 0.4138,
0.5097


 91.2942, 0.4138,
0.5097


 91.2950, 0.4138,
0.5097

 91.5130, 0.4126,
0.5062

 91.8260, 0.4092,
0.4991

 92.2627, 0.4031,
0.4875


 92.8408, 0.3944,
0.4715

 93.5750, 0.3834,
0.4518

 94.4784, 0.3706,
0.4292

 95.5624, 0.3566,
0.4046

 96.8376, 0.3419,
0.3792

 98.3138, 0.3272,
0.3538

Harmonies

Analogous

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



91.2942, 0.4905, 0.4428



91.2942, 0.4138, 0.5097



91.2942, 0.3179, 0.5277

Triad

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



91.2942, 0.4138, 0.5097



91.2942, 0.1398, 0.2328



91.2942, 0.3853, 0.2387

Complementary

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



91.2942, 0.4138, 0.5097



7.2716, 0.1507, 0.0604

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.



91.2942, 0.2758, 0.1954



91.2942, 0.4138, 0.5097



91.2942, 0.1510, 0.1866

Square

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



91.2942, 0.4138, 0.5097



91.2942, 0.1629, 0.3266



91.2942, 0.1951, 0.1767



91.2942, 0.4840, 0.2996

Rectangle

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



91.2942, 0.4138, 0.5097



91.2942, 0.2542, 0.4870



91.2942, 0.1951, 0.1767



91.2942, 0.3474, 0.2218

Sweetspot

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



91.2950, 0.4138, 0.5097



95.5624, 0.3566, 0.4046



21.3523, 0.6393, 0.3306



20.3516, 0.3626, 0.4152



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.



91.2950, 0.4138, 0.5097



75.7494, 0.3330, 0.5738



21.0600, 0.3264, 0.3525



47.7166, 0.4139, 0.5096



4.6548, 0.4145, 0.5091

Inverse Universe

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



7.2716, 0.1507, 0.0604



12.1054, 0.2037, 0.0896



17.4049, 0.2983, 0.3044



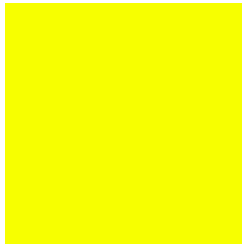
3.8113, 0.1509, 0.0605



0.3802, 0.1531, 0.0617

Previews

White Background



This preview shows how the Yxy color 91.2942, 0.4138, 0.5097 looks on a white background.

Color Contrast Check

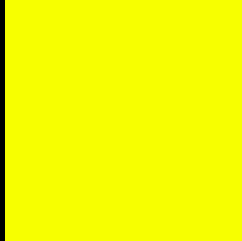
Large Text (above 18pt) WCAG AA × Fail

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 91.2942, 0.4138, 0.5097 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 91.2942, 0.4138, 0.5097

Background



This preview shows how black text looks on a background with the Yxy color 91.2942, 0.4138, 0.5097.

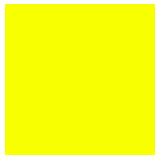


This preview shows how white text looks on a background with the Yxy color 91.2942, 0.4138, 0.5097.

Color Blindness Simulation

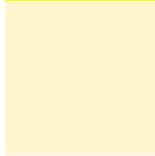
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



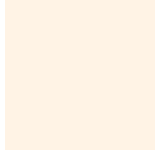
Original Color

91.2942, 0.4138, 0.5097



Protanopia

91.0698, 0.3429, 0.3667



Deuteranopia

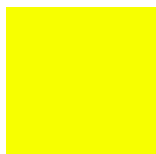
91.0183, 0.3293, 0.3428



Tritanopia

91.0727, 0.3164, 0.3203

Trichromacy



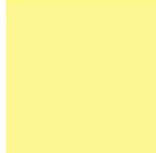
Original Color

91.2942, 0.4138, 0.5097



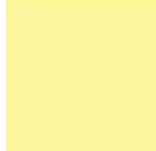
Protanomaly

90.1128, 0.3844, 0.4430



Deuteranomaly

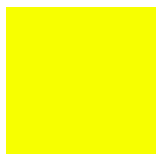
89.2923, 0.3775, 0.4289



Tritanomaly

89.1102, 0.3703, 0.4158

Monochromacy



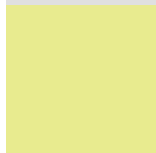
Original Color

91.2942, 0.4138, 0.5097



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

78.5556, 0.3691, 0.4268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.2942, 0.4138, 0.5097 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(247, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 0)  
}
```

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(247, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 91.2942, 0.4138, 0.5097 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(247, 255, 0) }
```

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

```
.border{ border-color:rgb(247, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 91.2942, 0.4138, 0.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 0) }
```

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

```
.background{ background-color: rgb(247,  
255, 0) }
```

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