

Converting Colors

$Y_{xy}(91.6675, 0.4152, 0.5085)$

Have a look what the booklet for
Yxy(91.6675, 0.4152, 0.5085)
contains.

Yxy(91.6597, 0.4152, 0.5086)	3
Conversions	4
Details	6
Harmonies	12
Previews	22
Color Blindness Simulation	25
CSS Examples	28

Color

Yxy(91.6597, 0.4152, 0.5086)

Conversions

Conversions Part 1

Format	Color
Hex	F9FF00
RGB	249, 255, 0
RGB Percent	98%, 100%, 0%
CMY	0.0235, 0.0000, 1.0000
CMYK	0.02, 0.00, 1.00, 0.00
HSL	61°, 100%, 50%
HSV	61°, 100%, 100%
XYZ	74.8272, 91.6597, 13.7327
YIQ	224.1360, 78.2790, -80.5770

Conversions

Conversions Part 2

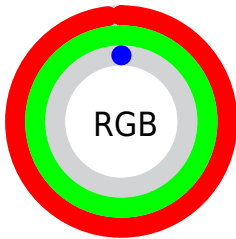
Format	Color
RYB	0, 255, 6
Decimal	16383744
CIELab	96.68, -24.01, 93.98
CIELCh	97, 96.998, 104.332
Yxy	91.6597, 0.4152, 0.5086
Android (android.graphics.Color)	4294573824 (0xFFFF9FF00)
YUV	224.1360, -110.4990, 21.8057
Hunter-Lab	95.7391, -28.0324, 58.5128

Details

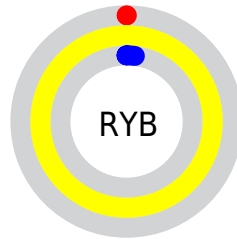
The Yxy color **91.6597, 0.4152, 0.5086** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.2587, 0.1505, 0.0603**, and the grayscale version is **75.4097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **51.5382, 0.4097, 0.5129** is the 20% darker color. If you saturate the color by 10%, you get **91.6614, 0.4152, 0.5086**, and if you desaturate by 10%, it is **91.8441, 0.4138, 0.5052**.

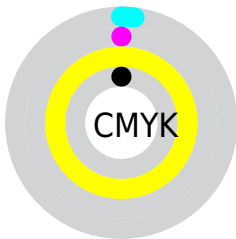
Distribution



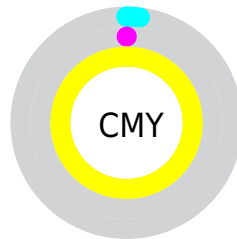
- Red (98%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (2%)



- Cyan (2%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.6597, 0.4152, 0.5086 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 91.6597, 0.4152, 0.5086 by changing the saturation by 10% instead.


 91.6597, 0.4152,
0.5086

 91.6597, 0.4152,
0.5086


533.4151, 0.3802,
0.4348

 69.3580, 0.4195,
0.5218


 149.6417, 0.4060,
0.4858

 51.0033, 0.4231,
0.5361

 186.0907, 0.4016,
0.4761


 36.2113, 0.4250,
0.5512


 228.0244, 0.3973,
0.4674

 24.5974, 0.4254,
0.5685

 275.8270, 0.3934,
0.4595

 15.7774, 0.4182,
0.5818

 329.8830, 0.3897,
0.4524

 9.3667, 0.4047,
0.5953


 390.5767, 0.3863,


 4.9812, 0.3845,

0.4460


0.6155

458.2927, 0.3831,
0.4402


 2.2362, 0.3517,
0.6483


 0.7396, 0.1364,
0.8636


 91.6597, 0.4152,
0.5086


 91.6597, 0.4152,
0.5086


 91.6614, 0.4152,
0.5086


 91.8441, 0.4138,
0.5052


 92.1213, 0.4103,
0.4982


 92.5221, 0.4041,
0.4868


 93.0639, 0.3952,
0.4710

 93.7617, 0.3841,
0.4515

 94.6282, 0.3712,
0.4290

 95.6752, 0.3570,
0.4045

 96.9131, 0.3422,
0.3792

 98.3517, 0.3273,
0.3537

Harmonies

Analogous

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



91.6597, 0.4912, 0.4415



91.6597, 0.4152, 0.5086



91.6597, 0.3196, 0.5278

Triad

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



91.6597, 0.4152, 0.5086



91.6597, 0.1401, 0.2341



91.6597, 0.3834, 0.2380

Complementary

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



91.6597, 0.4152, 0.5086



7.2587, 0.1505, 0.0603

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.



91.6597, 0.2743, 0.1950



91.6597, 0.4152, 0.5086



91.6597, 0.1507, 0.1873

Square

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



91.6597, 0.4152, 0.5086



91.6597, 0.1638, 0.3286



91.6597, 0.1943, 0.1768



91.6597, 0.4825, 0.2986

Rectangle

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



91.6597, 0.4152, 0.5086



91.6597, 0.2559, 0.4882



91.6597, 0.1943, 0.1768



91.6597, 0.3454, 0.2212

Sweetspot

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



91.6614, 0.4152, 0.5086



95.6752, 0.3570, 0.4045



21.3523, 0.6393, 0.3306



20.3791, 0.3631, 0.4150



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.



91.6614, 0.4152, 0.5086



75.7494, 0.3330, 0.5738



21.0677, 0.3265, 0.3525



47.9049, 0.4152, 0.5085



4.6710, 0.4157, 0.5081

Inverse Universe

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



7.2587, 0.1505, 0.0603



12.1054, 0.2037, 0.0896



17.3981, 0.2982, 0.3044



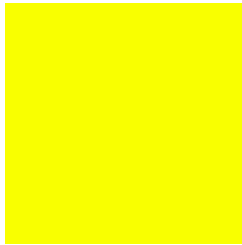
3.8016, 0.1507, 0.0604



0.3770, 0.1524, 0.0613

Previews

White Background



This preview shows how the Yxy color 91.6597, 0.4152, 0.5086 looks on a white background.

Color Contrast Check

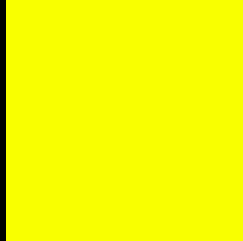
Large Text (above 18pt) WCAG AA × Fail

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 91.6597, 0.4152, 0.5086 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 91.6597, 0.4152, 0.5086

Background



This preview shows how black text looks on a background with the Yxy color 91.6597, 0.4152, 0.5086.

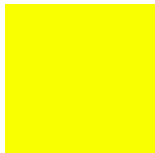


This preview shows how white text looks on a background with the Yxy color 91.6597, 0.4152, 0.5086.

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



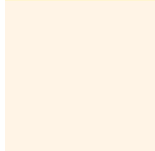
Original Color

91.6597, 0.4152, 0.5086



Protanopia

91.1683, 0.3416, 0.3647



Deuteranopia

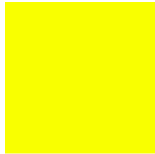
91.6745, 0.3285, 0.3427



Tritanopia

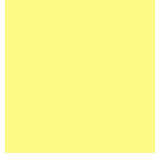
91.6664, 0.3163, 0.3213

Trichromacy



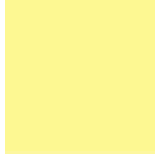
Original Color

91.6597, 0.4152, 0.5086



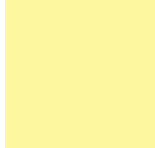
Protanomaly

90.3275, 0.3846, 0.4419



Deuteranomaly

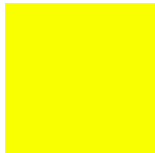
90.0928, 0.3779, 0.4295



Tritanomaly

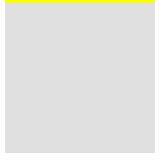
89.9074, 0.3707, 0.4165

Monochromacy



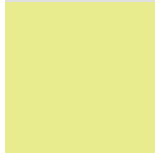
Original Color

91.6597, 0.4152, 0.5086



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

78.7235, 0.3699, 0.4265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.6597, 0.4152, 0.5086 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(249, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 91.6597, 0.4152, 0.5086 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(249, 255, 0) }
```

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

```
.border{ border-color:rgb(249, 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(249, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 91.6597, 0.4152, 0.5086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 0) }
```

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

```
.background{ background-color: rgb(249,  
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