

Converting Colors

$Y_{xy}(117.6444, 0.4087, 0.4979)$

Have a look what the booklet for
Yxy(117.6444, 0.4087, 0.4979)
contains.

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Color

Yxy(93.1169, 0.4113, 0.4920)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF3D
RGB	255, 255, 61
RGB Percent	100%, 100%, 24%
CMY	0.0000, 0.0000, 0.7603
CMYK	0.00, 0.00, 0.76, 0.00
HSL	60°, 100%, 62%
HSV	60°, 76%, 100%
XYZ	77.8435, 93.1169, 18.3016
YIQ	232.8840, 62.2740, -60.3340

Conversions

Conversions Part 2

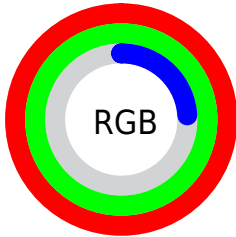
Format	Color
RYB	61, 255, 61
Decimal	16777021
CIELab	97.28, -20.45, 84.93
CIELCh	97, 87.354, 103.539
Yxy	93.1169, 0.4113, 0.4920
Android (android.graphics.Color)	4294967101 (0xFFFFFFFF3D)
YUV	232.8840, -84.7388, 19.3957
Hunter-Lab	96.4971, -24.8754, 56.3030

Details

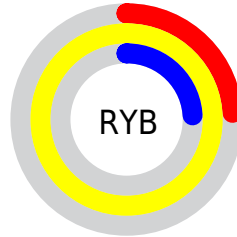
The Yxy color **93.1169, 0.4113, 0.4920** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.5668, 0.1680, 0.0897**, and the grayscale version is **82.0175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2101, 0.3884, 0.4541**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.9039, 0.4163, 0.5003**, and if you desaturate by 10%, it is **93.4610, 0.4036, 0.4793**.

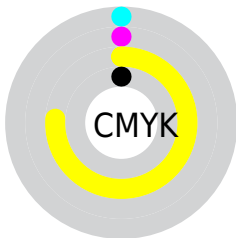
Distribution



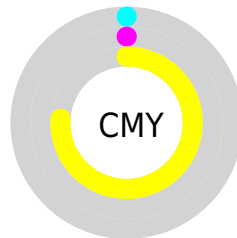
- Red (100%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.1169, 0.4113, 0.4920 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 93.1169, 0.4113, 0.4920 by changing the saturation by 10% instead.


 93.1169, 0.4113,
0.4920

 93.1169, 0.4113,
0.4920

538.1187, 0.3753,
0.4239


 70.5687, 0.4166,
0.5047

 151.6604, 0.4011,
0.4705

 51.9903, 0.4217,
0.5189


 188.4246, 0.3965,
0.4615


 36.9973, 0.4260,
0.5344

 230.6961, 0.3922,
0.4535

 25.2054, 0.4282,
0.5507

 278.8594, 0.3883,
0.4463

 16.2302, 0.4293,
0.5707

 333.2989, 0.3846,
0.4398

 9.6872, 0.4181,
0.5819


394.3991, 0.3813,


 5.1920, 0.4015,


0.4340


0.5985


462.5442, 0.3782,
0.4287


 2.3604, 0.3747,
0.6253


 0.8054, 0.2485,
0.7515


 93.1169, 0.4113,
0.4920


 93.1169, 0.4113,
0.4920


 92.9039, 0.4163,
0.5003


 93.4610, 0.4036,
0.4793


 92.8008, 0.4188,
0.5044


 93.9518, 0.3934,
0.4624


 92.7786, 0.4193,
0.5053

 94.6034, 0.3811,
0.4420

 95.4282, 0.3671,
0.4190

 96.4374, 0.3522,
0.3943

 97.6411, 0.3369,
0.3690

 99.0488, 0.3217,
0.3438

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.



93.1169, 0.4782, 0.4338



93.1169, 0.4113, 0.4920



93.1169, 0.3241, 0.5059

Triad

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



93.1169, 0.4113, 0.4920



93.1169, 0.1542, 0.2461



93.1169, 0.3741, 0.2447

Complementary

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



93.1169, 0.4113, 0.4920



11.5668, 0.1680, 0.0897

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.



93.1169, 0.2763, 0.2051



93.1169, 0.4113, 0.4920



93.1169, 0.1629, 0.2004

Square

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



93.1169, 0.4113, 0.4920



93.1169, 0.1784, 0.3329



93.1169, 0.2032, 0.1890



93.1169, 0.4633, 0.3013

Rectangle

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



93.1169, 0.4113, 0.4920



93.1169, 0.2653, 0.4713



93.1169, 0.2032, 0.1890



93.1169, 0.3402, 0.2292

Sweetspot

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



93.1172, 0.4113, 0.4920



96.7812, 0.3476, 0.3866



24.9489, 0.5785, 0.3298



20.6279, 0.3531, 0.3958



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.



93.1172, 0.4113, 0.4920



92.8404, 0.4178, 0.5028



79.1336, 0.3453, 0.5387



21.0908, 0.3269, 0.3525



48.4788, 0.4193, 0.5053



4.7202, 0.4193, 0.5053

Inverse Universe

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



11.5668, 0.1680, 0.0897



8.0125, 0.1535, 0.0657



17.8459, 0.2287, 0.1206



17.3778, 0.2978, 0.3044



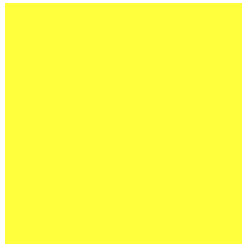
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.1169, 0.4113, 0.4920 looks on a white background.

Color Contrast Check

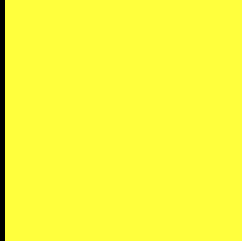
Large Text (above 18pt) WCAG AA × Fail

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 93.1169, 0.4113, 0.4920 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 93.1169, 0.4113, 0.4920

Background



This preview shows how black text looks on a background with the Yxy color 93.1169, 0.4113, 0.4920.



This preview shows how white text looks on a background with the Yxy color 93.1169, 0.4113, 0.4920.

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



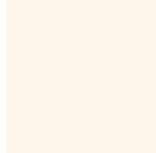
Original Color

93.1169, 0.4113, 0.4920



Protanopia

92.8435, 0.3357, 0.3576



Deuteranopia

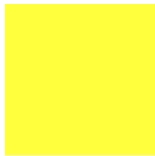
93.1697, 0.3252, 0.3397



Tritanopia

92.8635, 0.3162, 0.3232

Trichromacy



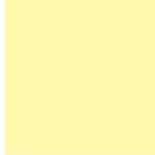
Original Color

93.1169, 0.4113, 0.4920



Protanomaly

92.2044, 0.3700, 0.4167



Deuteranomaly

91.9899, 0.3637, 0.4053



Tritanomaly

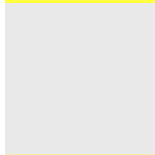
91.7310, 0.3585, 0.3955

Monochromacy



Original Color

93.1169, 0.4113, 0.4920



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

84.5136, 0.3573, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.1169, 0.4113, 0.4920 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(255, 255, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 61)  
}
```

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(255, 255, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 61) }
```

Border

The CSS property to change the border of an element to Yxy 93.1169, 0.4113, 0.4920 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(255, 255, 61) }
```

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

```
.border{ border-color:rgb(255, 255, 61) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 93.1169, 0.4113, 0.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 61) }
```

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

```
.background{ background-color: rgb(255,  
255, 61) }
```

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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