

Converting Colors

$Y_{xy}(137.9041, 0.3910, 0.4983)$

Have a look what the booklet for
Yxy(137.9041, 0.3910, 0.4983)
contains.

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Color

Yxy(93.5182, 0.4024, 0.4773)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF5A
RGB	255, 255, 90
RGB Percent	100%, 100%, 35%
CMY	0.0000, 0.0000, 0.6470
CMYK	0.00, 0.00, 0.65, 0.00
HSL	60°, 100%, 68%
HSV	60°, 65%, 100%
XYZ	78.8429, 93.5182, 23.5706
YIQ	236.1900, 52.9650, -51.3150

Conversions

Conversions Part 2

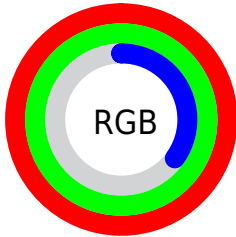
Format	Color
R _Y B	90, 255, 90
Decimal	16777050
CIE Lab	97.44, -19.16, 75.49
CIE LCh	97, 77.886, 104.238
Yxy	93.5182, 0.4024, 0.4773
Android (android.graphics.Color)	4294967130 (0xFFFFFFFF5A)
YUV	236.1900, -72.0717, 16.4964
Hunter-Lab	96.7048, -23.7033, 53.2422

Details

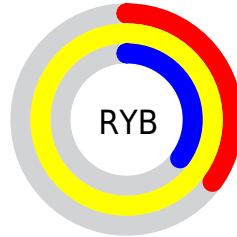
The Yxy color **93.5182, 0.4024, 0.4773** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **16.7101, 0.1864, 0.1201**, and the grayscale version is **84.5646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **52.5031, 0.4135, 0.5042** is the 20% darker color. If you saturate the color by 10%, you get **93.1536, 0.4104, 0.4906**, and if you desaturate by 10%, it is **94.0279, 0.3919, 0.4599**.

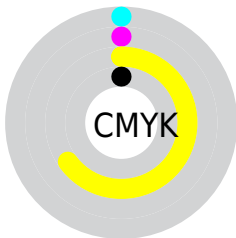
Distribution



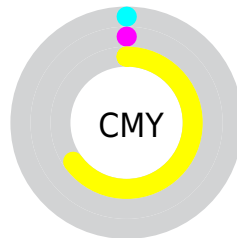
- Red (100%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.5182, 0.4024, 0.4773 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 93.5182, 0.4024, 0.4773 by changing the saturation by 10% instead.


 93.5182, 0.4024,
0.4773


 93.5182, 0.4024,
0.4773


539.4102, 0.3682,
0.4139

 70.9023, 0.4080,
0.4897


 152.2158, 0.3923,
0.4569


 52.2625, 0.4138,
0.5039


 189.0664, 0.3878,
0.4484

 37.2143, 0.4193,
0.5199


 231.4306, 0.3838,
0.4410

 25.3735, 0.4238,
0.5377

 279.6928, 0.3801,
0.4344

 16.3555, 0.4267,
0.5583

334.2375, 0.3767,
0.4284

 9.7761, 0.4228,
0.5772


395.4490, 0.3736,


 5.2507, 0.4074,


0.4231


0.5926


463.7118, 0.3708,
0.4183

 2.3951, 0.3826,
0.6174


 0.8234, 0.2767,
0.7233


 93.5182, 0.4024,
0.4773

 93.5182, 0.4024,
0.4773


 93.1536, 0.4104,
0.4906

 94.0279, 0.3919,
0.4599

 92.9238, 0.4158,
0.4994

 94.7021, 0.3793,
0.4391


 92.8073, 0.4186,
0.5040

 95.5510, 0.3652,
0.4158

 92.7767, 0.4193,
0.5053

 96.5857, 0.3502,
0.3909

 97.8162, 0.3348,
0.3656

 99.2519, 0.3197,
0.3405

100.0000, 0.3127,
0.3290

Harmonies

Analogous

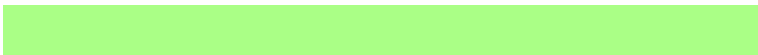
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5182, 0.4623, 0.4283



93.5182, 0.4024, 0.4773



93.5182, 0.3232, 0.4843

Triad

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



93.5182, 0.4024, 0.4773



93.5182, 0.1680, 0.2543



93.5182, 0.3701, 0.2538

Complementary

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



93.5182, 0.4024, 0.4773



16.7101, 0.1864, 0.1201

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.



93.5182, 0.2825, 0.2166



93.5182, 0.4024, 0.4773



93.5182, 0.1766, 0.2121

Square

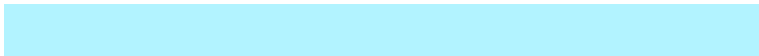
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.5182, 0.4024, 0.4773



93.5182, 0.1906, 0.3316



93.5182, 0.2148, 0.2014



93.5182, 0.4483, 0.3066

Rectangle

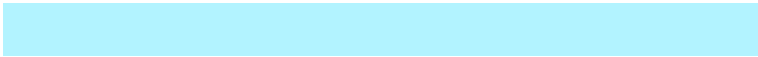
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.5182, 0.4024, 0.4773



93.5182, 0.2699, 0.4519



93.5182, 0.2148, 0.2014



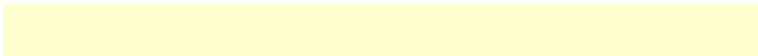
93.5182, 0.3401, 0.2393

Sweetspot

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



93.5163, 0.4024, 0.4773



97.2624, 0.3414, 0.3765



29.3135, 0.5256, 0.3296



20.7437, 0.3458, 0.3838



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.



93.5163, 0.4024, 0.4773



93.0639, 0.4125, 0.4940



81.0867, 0.3458, 0.5124



21.0907, 0.3269, 0.3525



48.4778, 0.4193, 0.5053



4.7201, 0.4193, 0.5053

Inverse Universe

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



16.7101, 0.1864, 0.1201



10.9021, 0.1654, 0.0854



23.3633, 0.2438, 0.1467



17.3779, 0.2978, 0.3044



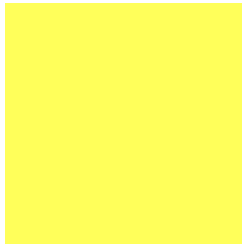
3.7727, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.5182, 0.4024, 0.4773 looks on a white background.

Color Contrast Check

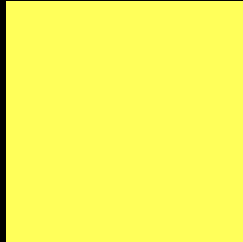
Large Text (above 18pt) WCAG AA × Fail

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 93.5182, 0.4024, 0.4773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

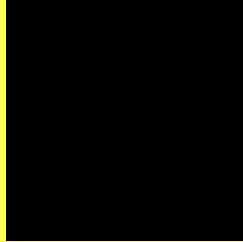
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.5182, 0.4024, 0.4773

Background



This preview shows how black text looks on a background with the Yxy color 93.5182, 0.4024, 0.4773.



This preview shows how white text looks on a background with the Yxy color 93.5182, 0.4024, 0.4773.

Color Blindness Simulation

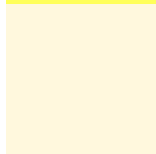
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



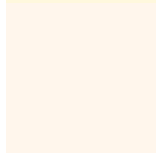
Original Color

93.5182, 0.4024, 0.4773



Protanopia

93.6153, 0.3337, 0.3555



Deuteranopia

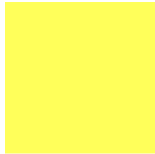
93.2277, 0.3246, 0.3388



Tritanopia

93.5299, 0.3156, 0.3232

Trichromacy



Original Color

93.5182, 0.4024, 0.4773



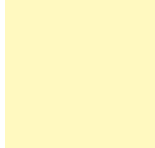
Protanomaly

93.2715, 0.3626, 0.4061



Deuteranomaly

92.4303, 0.3570, 0.3945



Tritanomaly

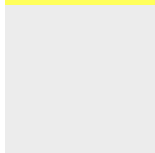
92.8171, 0.3515, 0.3855

Monochromacy



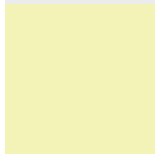
Original Color

93.5182, 0.4024, 0.4773



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

86.5748, 0.3501, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.5182, 0.4024, 0.4773 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 90) }
```

Border

The CSS property to change the border of an element to Yxy 93.5182, 0.4024, 0.4773 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, 90) }
```

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

```
.border{ border-color:rgb(255, 255, 90) }
```

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, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 93.5182, 0.4024, 0.4773 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, 90) }
```

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

```
.background{ background-color: rgb(255,  
255, 90) }
```

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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