

Converting Colors

$Y_{xy}(100.0000, 0.4276, 0.4772)$

Have a look what the booklet for
Yxy(100.0000, 0.4276, 0.4772)
contains.

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Color

Yxy(93.1852, 0.4098, 0.4895)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF43
RGB	255, 255, 67
RGB Percent	100%, 100%, 26%
CMY	0.0000, 0.0000, 0.7376
CMYK	0.00, 0.00, 0.74, 0.00
HSL	60°, 100%, 63%
HSV	60°, 74%, 100%
XYZ	78.0129, 93.1852, 19.1701
YIQ	233.5680, 60.3480, -58.4680

Conversions

Conversions Part 2

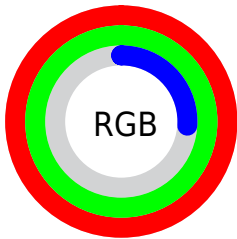
Format	Color
RYB	67, 255, 67
Decimal	16777027
CIELab	97.30, -20.23, 83.25
CIELCh	97, 85.678, 103.658
Yxy	93.1852, 0.4098, 0.4895
Android (android.graphics.Color)	4294967107 (0xFFFFFFFF43)
YUV	233.5680, -82.1180, 18.7959
Hunter-Lab	96.5325, -24.6768, 55.7985

Details

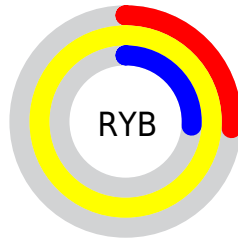
The Yxy color **93.1852, 0.4098, 0.4895** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **12.4141, 0.1712, 0.0951**, and the grayscale version is **82.5259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3385, 0.3860, 0.4501**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.9430, 0.4154, 0.4988**, and if you desaturate by 10%, it is **93.5599, 0.4015, 0.4758**.

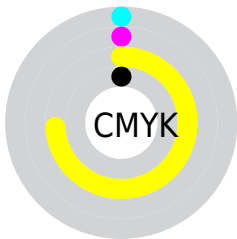
Distribution



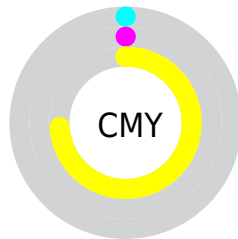
- Red (100%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (26%)



- Cyan (0%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.1852, 0.4098, 0.4895 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 93.1852, 0.4098, 0.4895 by changing the saturation by 10% instead.


 93.1852, 0.4098,
0.4895


 93.1852, 0.4098,
0.4895


538.3386, 0.3741,
0.4222


 70.6254, 0.4152,
0.5022


 151.7550, 0.3996,
0.4682


 52.0366, 0.4204,
0.5164


 188.5338, 0.3950,
0.4592

 37.0342, 0.4249,
0.5320


 230.8211, 0.3907,
0.4513

 25.2340, 0.4276,
0.5487

 279.0013, 0.3868,
0.4442

 16.2515, 0.4300,
0.5700

 333.4587, 0.3832,
0.4378

 9.7023, 0.4189,
0.5811


394.5778, 0.3799,


 5.2020, 0.4025,


0.4321


462.7430, 0.3769,
0.4269


0.5975


 2.3663, 0.3760,
0.6240


 0.8085, 0.2535,
0.7465


 93.1852, 0.4098,
0.4895


 93.1852, 0.4098,
0.4895


 92.9430, 0.4154,
0.4988


 93.5599, 0.4015,
0.4758

 92.8171, 0.4184,
0.5038

 94.0859, 0.3908,
0.4581

 92.7800, 0.4193,
0.5053

 94.7757, 0.3780,
0.4370

 95.6413, 0.3638,
0.4135

 96.6936, 0.3487,
0.3886

 97.9427, 0.3334,
0.3632

 99.3978, 0.3183,
0.3382

100.0000, 0.3127,
0.3290

Harmonies

Analogous

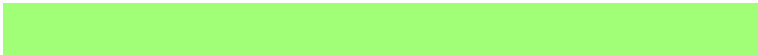
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1852, 0.4755, 0.4329



93.1852, 0.4098, 0.4895



93.1852, 0.3240, 0.5021

Triad

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



93.1852, 0.4098, 0.4895



93.1852, 0.1566, 0.2475



93.1852, 0.3734, 0.2463

Complementary

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



93.1852, 0.4098, 0.4895



12.4141, 0.1712, 0.0951

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.



93.1852, 0.2774, 0.2071



93.1852, 0.4098, 0.4895



93.1852, 0.1653, 0.2024

Square

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



93.1852, 0.4098, 0.4895



93.1852, 0.1805, 0.3327



93.1852, 0.2052, 0.1911



93.1852, 0.4607, 0.3023

Rectangle

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



93.1852, 0.4098, 0.4895



93.1852, 0.2661, 0.4678



93.1852, 0.2052, 0.1911



93.1852, 0.3402, 0.2310

Sweetspot

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



93.1842, 0.4098, 0.4895



96.8989, 0.3460, 0.3841



25.6681, 0.5685, 0.3298



20.6732, 0.3502, 0.3910



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.



93.1842, 0.4098, 0.4895



92.8641, 0.4173, 0.5019



79.4967, 0.3456, 0.5339



21.0908, 0.3269, 0.3525



48.4795, 0.4193, 0.5053



4.7203, 0.4193, 0.5053

Inverse Universe

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



12.4141, 0.1712, 0.0951



8.3005, 0.1547, 0.0678



18.7964, 0.2317, 0.1254



17.3778, 0.2978, 0.3044



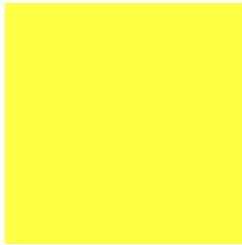
3.7726, 0.1500, 0.0600



0.3673, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.1852, 0.4098, 0.4895 looks on a white background.

Color Contrast Check

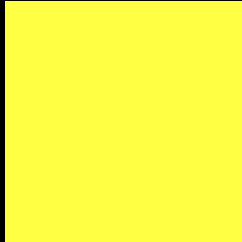
Large Text (above 18pt) WCAG AA × Fail

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 93.1852, 0.4098, 0.4895 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 93.1852, 0.4098, 0.4895

Background



This preview shows how black text looks on a background with the Yxy color 93.1852, 0.4098, 0.4895.



This preview shows how white text looks on a background with the Yxy color 93.1852, 0.4098, 0.4895.

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



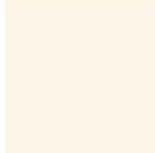
Original Color

93.1852, 0.4098, 0.4895



Protanopia

92.8435, 0.3357, 0.3576



Deuteranopia

93.1697, 0.3252, 0.3397



Tritanopia

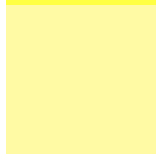
92.8635, 0.3162, 0.3232

Trichromacy



Original Color

93.1852, 0.4098, 0.4895



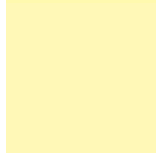
Protanomaly

92.2756, 0.3688, 0.4148



Deuteranomaly

92.0674, 0.3625, 0.4033



Tritanomaly

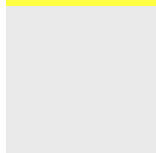
91.8137, 0.3573, 0.3935

Monochromacy



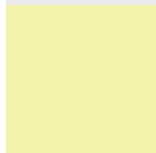
Original Color

93.1852, 0.4098, 0.4895



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

85.3986, 0.3558, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.1852, 0.4098, 0.4895 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 67) }
```

Border

The CSS property to change the border of an element to Yxy 93.1852, 0.4098, 0.4895 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, 67) }
```

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

```
.border{ border-color:rgb(255, 255, 67) }
```

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, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 93.1852, 0.4098, 0.4895 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, 67) }
```

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

```
.background{ background-color: rgb(255,  
255, 67) }
```

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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