

Converting Colors

Yxy(93.0642, 0.4126, 0.4941)

Have a look what the booklet for
Yxy(93.0642, 0.4126, 0.4941)
contains.

Yxy(93.0655, 0.4125, 0.4940)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(93.0655, 0.4125, 0.4940)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF38
RGB	255, 255, 56
RGB Percent	100%, 100%, 22%
CMY	0.0000, 0.0000, 0.7802
CMYK	0.00, 0.00, 0.78, 0.00
HSL	60°, 100%, 61%
HSV	60°, 78%, 100%
XYZ	77.7116, 93.0655, 17.6146
YIQ	232.3140, 63.8790, -61.8890

Conversions

Conversions Part 2

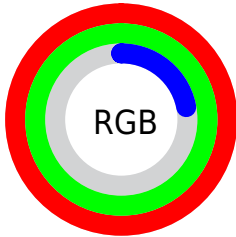
Format	Color
R _Y B	56, 255, 56
Decimal	16777016
CIE Lab	97.25, -20.62, 86.29
CIE LCh	97, 88.719, 103.442
Yxy	93.0655, 0.4125, 0.4940
Android (android.graphics.Color)	4294967096 (0xFFFFFFFF38)
YUV	232.3140, -86.9228, 19.8956
Hunter-Lab	96.4705, -25.0330, 56.7035

Details

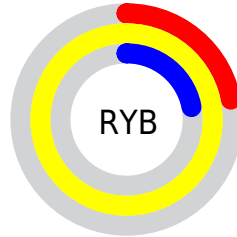
The Yxy color **93.0655, 0.4125, 0.4940** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.8961, 0.1654, 0.0854**, and the grayscale version is **81.5735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1361, 0.3898, 0.4565**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.8740, 0.4170, 0.5014**, and if you desaturate by 10%, it is **93.3804, 0.4054, 0.4822**.

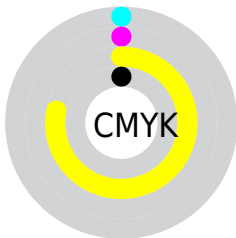
Distribution



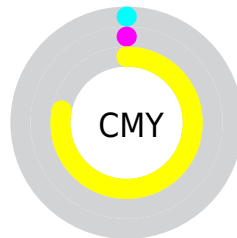
- Red (100%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (22%)



- Cyan (0%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.0655, 0.4125, 0.4940 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 93.0655, 0.4125, 0.4940 by changing the saturation by 10% instead.


 93.0655, 0.4125,
0.4940

 93.0655, 0.4125,
0.4940


537.9532, 0.3764,
0.4253


 70.5259, 0.4177,
0.5068


 151.5893, 0.4024,
0.4724

 51.9554, 0.4227,
0.5209


 188.3423, 0.3977,
0.4633


 36.9695, 0.4267,
0.5362

 230.6020, 0.3934,
0.4552

 25.1839, 0.4287,
0.5523

 278.7526, 0.3894,
0.4480

 16.2141, 0.4288,
0.5712

 333.1787, 0.3857,
0.4414

 9.6758, 0.4175,
0.5825


394.2645, 0.3824,


 5.1845, 0.4007,


0.4355


0.5993


462.3945, 0.3792,
0.4302

 2.3559, 0.3736,
0.6264


 0.8031, 0.2445,
0.7555


 93.0655, 0.4125,
0.4940


 93.0655, 0.4125,
0.4940

 92.8740, 0.4170,
0.5014

 93.3804, 0.4054,
0.4822

 92.7882, 0.4190,
0.5048


 93.8409, 0.3956,
0.4661


 92.7771, 0.4193,
0.5053

 94.4597, 0.3837,
0.4463

 95.2493, 0.3700,
0.4237

 96.2212, 0.3552,
0.3993

 97.3856, 0.3399,
0.3740

 98.7521, 0.3247,
0.3488

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.



93.0655, 0.4805, 0.4344



93.0655, 0.4125, 0.4940



93.0655, 0.3242, 0.5090

Triad

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



93.0655, 0.4125, 0.4940



93.0655, 0.1523, 0.2449



93.0655, 0.3746, 0.2434

Complementary

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



93.0655, 0.4125, 0.4940



10.8961, 0.1654, 0.0854

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.



93.0655, 0.2754, 0.2035



93.0655, 0.4125, 0.4940



93.0655, 0.1611, 0.1988

Square

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



93.0655, 0.4125, 0.4940



93.0655, 0.1767, 0.3331



93.0655, 0.2015, 0.1873



93.0655, 0.4654, 0.3005

Rectangle

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



93.0655, 0.4125, 0.4940



93.0655, 0.2647, 0.4741



93.0655, 0.2015, 0.1873



93.0655, 0.3402, 0.2278

Sweetspot

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



93.0637, 0.4125, 0.4940



96.7808, 0.3476, 0.3866



24.3795, 0.5867, 0.3298



20.6278, 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.



93.0637, 0.4125, 0.4940



92.8126, 0.4185, 0.5038



78.8268, 0.3449, 0.5427



21.0907, 0.3269, 0.3525



48.4780, 0.4193, 0.5053



4.7202, 0.4193, 0.5053

Inverse Universe

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



10.8961, 0.1654, 0.0854



7.6744, 0.1520, 0.0633



17.0743, 0.2261, 0.1167



17.3779, 0.2978, 0.3044



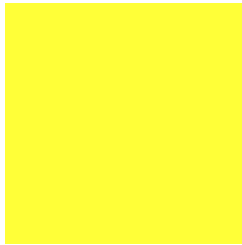
3.7727, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.0655, 0.4125, 0.4940 looks on a white background.

Color Contrast Check

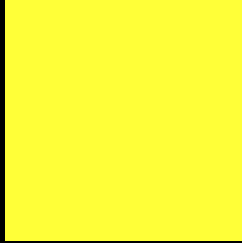
Large Text (above 18pt) WCAG AA × Fail

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 93.0655, 0.4125, 0.4940 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 93.0655, 0.4125, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 93.0655, 0.4125, 0.4940.



This preview shows how white text looks on a background with the Yxy color 93.0655, 0.4125, 0.4940.

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



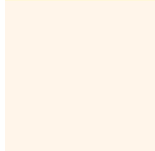
Original Color

93.0655, 0.4125, 0.4940



Protanopia

92.8435, 0.3357, 0.3576



Deuteranopia

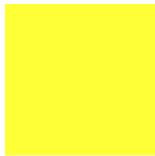
92.5053, 0.3259, 0.3398



Tritanopia

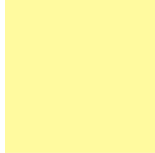
92.8635, 0.3162, 0.3232

Trichromacy



Original Color

93.0655, 0.4125, 0.4940



Protanomaly

92.1344, 0.3711, 0.4186



Deuteranomaly

91.8759, 0.3655, 0.4082



Tritanomaly

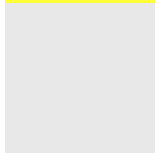
91.6495, 0.3598, 0.3975

Monochromacy



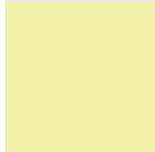
Original Color

93.0655, 0.4125, 0.4940



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.6726, 0.3581, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0655, 0.4125, 0.4940 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 56) }
```

Border

The CSS property to change the border of an element to Yxy 93.0655, 0.4125, 0.4940 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, 56) }
```

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

```
.border{ border-color:rgb(255, 255, 56) }
```

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, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0655, 0.4125, 0.4940 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, 56) }
```

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

```
.background{ background-color: rgb(255,  
255, 56) }
```

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