

Converting Colors

$Y_{xy}(100.0000, 0.4312, 0.4826)$

Have a look what the booklet for
Yxy(100.0000, 0.4312, 0.4826)
contains.

Yxy(93.0279, 0.4134, 0.4955)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.0279, 0.4134, 0.4955)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF34
RGB	255, 255, 52
RGB Percent	100%, 100%, 20%
CMY	0.0001, 0.0000, 0.7964
CMYK	0.00, 0.00, 0.80, 0.00
HSL	60°, 100%, 60%
HSV	60°, 80%, 100%
XYZ	77.6140, 93.0279, 17.1036
YIQ	231.8580, 65.1630, -63.1330

Conversions

Conversions Part 2

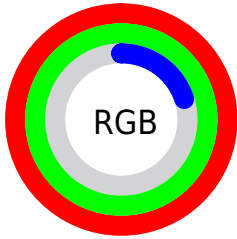
Format	Color
R _Y B	52, 255, 52
Decimal	16777012
CIE Lab	97.24, -20.75, 87.33
CIE LCh	97, 89.759, 103.369
Yxy	93.0279, 0.4134, 0.4955
Android (android.graphics.Color)	4294967092 (0xFFFFFFFF34)
YUV	231.8580, -88.6700, 20.2955
Hunter-Lab	96.4510, -25.1504, 57.0018

Details

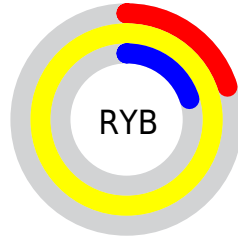
The Yxy color **93.0279, 0.4134, 0.4955** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.3972, 0.1634, 0.0821**, and the grayscale version is **81.2128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.8530, 0.4175, 0.5022**, and if you desaturate by 10%, it is **93.3191, 0.4067, 0.4844**.

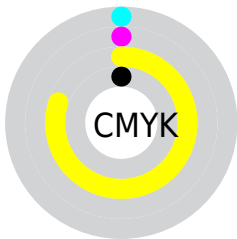
Distribution



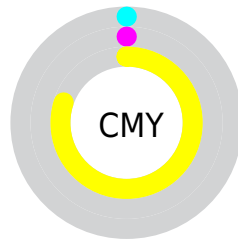
- Red (100%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0279, 0.4134, 0.4955 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 93.0279, 0.4134, 0.4955 by changing the saturation by 10% instead.


 93.0279, 0.4134,
0.4955


 93.0279, 0.4134,
0.4955


537.8321, 0.3771,
0.4264


 70.4947, 0.4186,
0.5083


 151.5372, 0.4033,
0.4738

 51.9299, 0.4235,
0.5223


 188.2822, 0.3986,
0.4647

 36.9492, 0.4273,
0.5376


 230.5331, 0.3943,
0.4565

 25.1682, 0.4290,
0.5535

 278.6745, 0.3903,
0.4492

 16.2024, 0.4284,
0.5716

 333.0907, 0.3866,
0.4426

 9.6675, 0.4170,
0.5830


394.1661, 0.3832,


 5.1791, 0.4001,

0.4367


0.5999


462.2851, 0.3800,
0.4313


 2.3527, 0.3728,
0.6272

 0.8014, 0.2414,
0.7586


 93.0279, 0.4134,
0.4955


 93.0279, 0.4134,
0.4955

 92.8530, 0.4175,
0.5022


 93.3191, 0.4067,
0.4844

 92.7782, 0.4193,
0.5052

 93.7554, 0.3974,
0.4690

 92.7761, 0.4193,
0.5053

 94.3477, 0.3857,
0.4497

 95.1089, 0.3723,
0.4275

■ 96.0505, 0.3577,
0.4033

■ 97.1831, 0.3424,
0.3781

■ 98.5164, 0.3271,
0.3528

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.



93.0279, 0.4821, 0.4349



93.0279, 0.4134, 0.4955



93.0279, 0.3242, 0.5114

Triad

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



93.0279, 0.4134, 0.4955



93.0279, 0.1508, 0.2440



93.0279, 0.3750, 0.2425

Complementary

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



93.0279, 0.4134, 0.4955



10.3972, 0.1634, 0.0821

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.



93.0279, 0.2747, 0.2023



93.0279, 0.4134, 0.4955



93.0279, 0.1596, 0.1975

Square

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



93.0279, 0.4134, 0.4955



93.0279, 0.1754, 0.3333



93.0279, 0.2003, 0.1860



93.0279, 0.4670, 0.2999

Rectangle

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



93.0279, 0.4134, 0.4955



93.0279, 0.2641, 0.4763



93.0279, 0.2003, 0.1860



93.0279, 0.3402, 0.2267

Sweetspot

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



93.0241, 0.4134, 0.4955



96.6651, 0.3491, 0.3892



23.9560, 0.5932, 0.3298



20.6057, 0.3545, 0.3981



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.



93.0241, 0.4134, 0.4955



92.7987, 0.4188, 0.5044



78.5843, 0.3445, 0.5458



21.0907, 0.3269, 0.3525



48.4776, 0.4193, 0.5053



4.7201, 0.4193, 0.5053

Inverse Universe

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



10.3972, 0.1634, 0.0821



7.5074, 0.1513, 0.0621



16.4859, 0.2240, 0.1136



17.3779, 0.2978, 0.3044



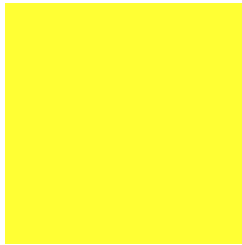
3.7727, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.0279, 0.4134, 0.4955 looks on a white background.

Color Contrast Check

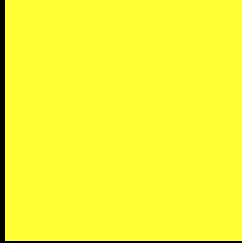
Large Text (above 18pt) WCAG AA × Fail

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 93.0279, 0.4134, 0.4955 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 93.0279, 0.4134, 0.4955

Background



This preview shows how black text looks on a background with the Yxy color 93.0279, 0.4134, 0.4955.

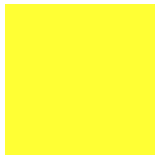


This preview shows how white text looks on a background with the Yxy color 93.0279, 0.4134, 0.4955.

Color Blindness Simulation

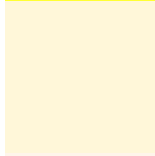
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



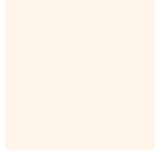
Original Color

93.0279, 0.4134, 0.4955



Protanopia

92.7913, 0.3363, 0.3586



Deuteranopia

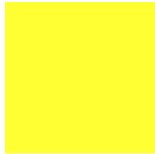
92.5053, 0.3259, 0.3398



Tritanopia

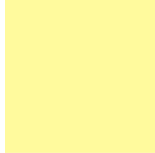
92.8635, 0.3162, 0.3232

Trichromacy



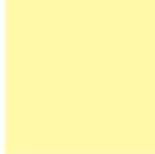
Original Color

93.0279, 0.4134, 0.4955



Protanomaly

92.0655, 0.3723, 0.4205



Deuteranomaly

91.8385, 0.3661, 0.4091



Tritanomaly

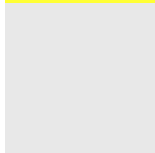
91.6092, 0.3604, 0.3985

Monochromacy



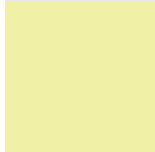
Original Color

93.0279, 0.4134, 0.4955



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.6355, 0.3587, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.0279, 0.4134, 0.4955 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 52) }
```

Border

The CSS property to change the border of an element to Yxy 93.0279, 0.4134, 0.4955 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, 52) }
```

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

```
.border{ border-color:rgb(255, 255, 52) }
```

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, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 93.0279, 0.4134, 0.4955 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, 52) }
```

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

```
.background{ background-color: rgb(255,  
255, 52) }
```

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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