

Converting Colors

Yxy(89.0553, 0.4177, 0.4920)

Have a look what the booklet for
Yxy(89.0553, 0.4177, 0.4920)
contains.

Yxy(89.2504, 0.4175, 0.4922)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.2504, 0.4175, 0.4922)

Conversions

Conversions Part 1

Format	Color
Hex	FFF933
RGB	255, 249, 51
RGB Percent	100%, 98%, 20%
CMY	0.0001, 0.0235, 0.7998
CMYK	0.00, 0.02, 0.80, 0.00
HSL	58°, 100%, 60%
HSV	58°, 80%, 100%
XYZ	75.7051, 89.2504, 16.3741
YIQ	228.2220, 67.1340, -60.3060

Conversions

Conversions Part 2

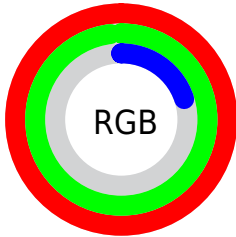
Format	Color
R _Y B	57, 255, 51
Decimal	16775475
CIE Lab	95.68, -17.92, 86.20
CIE LCh	96, 88.047, 101.743
Yxy	89.2504, 0.4175, 0.4922
Android (android.graphics.Color)	4294965555 (0xFFFFF933)
YUV	228.2220, -87.3704, 23.4843
Hunter-Lab	94.4724, -22.2865, 55.8545

Details

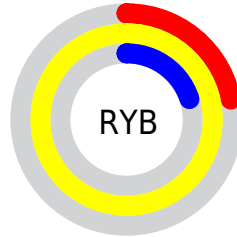
The Yxy color **89.2504, 0.4175, 0.4922** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.8497, 0.1640, 0.0852**, and the grayscale version is **78.3735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **49.6093, 0.4202, 0.5045** is the 20% darker color. If you saturate the color by 10%, you get **88.6286, 0.4222, 0.4985**, and if you desaturate by 10%, it is **90.0055, 0.4101, 0.4815**.

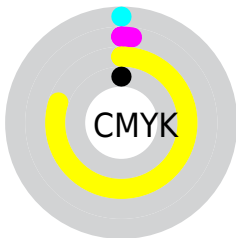
Distribution



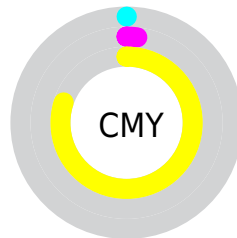
- Red (100%)
- Green (98%)
- Blue (20%)



- Red (22%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (2%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2504, 0.4175, 0.4922 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 89.2504, 0.4175, 0.4922 by changing the saturation by 10% instead.


 89.2504, 0.4175,
0.4922


 89.2504, 0.4175,
0.4922


525.5894, 0.3790,
0.4244

 67.3591, 0.4232,
0.5046


 146.2967, 0.4066,
0.4710


 49.3765, 0.4286,
0.5183


 182.2205, 0.4016,
0.4620


 34.9182, 0.4331,
0.5330


 223.5907, 0.3970,
0.4540

 23.5999, 0.4357,
0.5484

 270.7914, 0.3928,
0.4468

 15.0371, 0.4353,
0.5647

 324.2073, 0.3889,
0.4404

 8.8454, 0.4250,
0.5750


384.2227, 0.3853,


 4.6405, 0.4095,

0.4345

0.5905


451.2219, 0.3820,
0.4292


 2.0379, 0.3840,
0.6160


 0.6294, 0.2034,
0.7966


 89.2504, 0.4175,
0.4922

 89.2504, 0.4175,
0.4922


 88.6286, 0.4222,
0.4985


 90.0055, 0.4101,
0.4815

 88.0989, 0.4246,
0.5011


 90.8989, 0.4001,
0.4664


 88.0977, 0.4246,
0.5011

 91.9498, 0.3878,
0.4476

 93.1708, 0.3738,
0.4259

 94.5738, 0.3588,
0.4022

 96.1691, 0.3432,
0.3776

 97.9665, 0.3277,
0.3530

99.9734, 0.3127,
0.3290

99.9936, 0.3127,
0.3290

Harmonies

Analogous

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



89.2504, 0.4841, 0.4309



89.2504, 0.4175, 0.4922



89.2504, 0.3293, 0.5115

Triad

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



89.2504, 0.4175, 0.4922



89.2504, 0.1519, 0.2482



89.2504, 0.3691, 0.2402

Complementary

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



89.2504, 0.4175, 0.4922



10.8497, 0.1640, 0.0852

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.



89.2504, 0.2700, 0.2013



89.2504, 0.4175, 0.4922



89.2504, 0.1590, 0.1997

Square

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



89.2504, 0.4175, 0.4922



89.2504, 0.1784, 0.3392



89.2504, 0.1977, 0.1864



89.2504, 0.4623, 0.2967

Rectangle

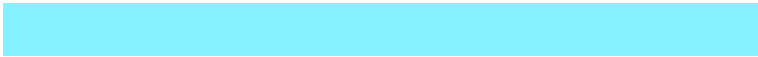
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.2504, 0.4175, 0.4922



89.2504, 0.2691, 0.4796



89.2504, 0.1977, 0.1864



89.2504, 0.3345, 0.2248

Sweetspot

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



89.2546, 0.4175, 0.4922



95.5319, 0.3495, 0.3876



23.9300, 0.5880, 0.3259



20.3273, 0.3550, 0.3963



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.



89.2546, 0.4175, 0.4922



88.3291, 0.4238, 0.5003



79.1918, 0.3486, 0.5434



20.9944, 0.3270, 0.3518



46.0875, 0.4245, 0.5011



4.5149, 0.4239, 0.5017

Inverse Universe

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



10.8497, 0.1640, 0.0852



7.6974, 0.1517, 0.0635



15.7207, 0.2179, 0.1101



17.4626, 0.2978, 0.3051



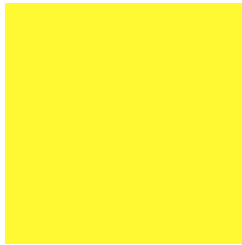
3.8938, 0.1505, 0.0617



0.4077, 0.1516, 0.0659

Previews

White Background



This preview shows how the Yxy color 89.2504, 0.4175, 0.4922 looks on a white background.

Color Contrast Check

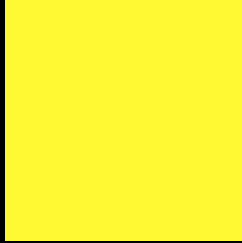
Large Text (above 18pt) WCAG AA × Fail

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 89.2504, 0.4175, 0.4922 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 89.2504, 0.4175, 0.4922

Background



This preview shows how black text looks on a background with the Yxy color 89.2504, 0.4175, 0.4922.

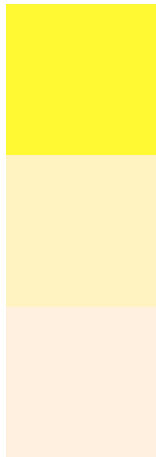


This preview shows how white text looks on a background with the Yxy color 89.2504, 0.4175, 0.4922.

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

89.2504, 0.4175, 0.4922

Protanopia

89.2562, 0.3516, 0.3779

Deuteranopia

88.9079, 0.3334, 0.3458



Tritanopia

89.0629, 0.3190, 0.3213

Trichromacy



Original Color

89.2504, 0.4175, 0.4922



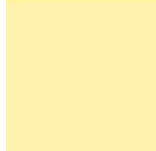
Protanomaly

88.5178, 0.3827, 0.4301



Deuteranomaly

87.8992, 0.3729, 0.4116



Tritanomaly

87.8594, 0.3639, 0.3960

Monochromacy



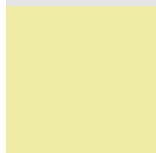
Original Color

89.2504, 0.4175, 0.4922



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.8484, 0.3603, 0.4048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2504, 0.4175, 0.4922 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, 249, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 51)  
}
```

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, 249, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 51) }
```

Border

The CSS property to change the border of an element to Yxy 89.2504, 0.4175, 0.4922 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, 249, 51) }
```

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

```
.border{ border-color:rgb(255, 249, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 249, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2504, 0.4175, 0.4922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 51) }
```

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

```
.background{ background-color: rgb(255,  
249, 51) }
```

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