

Converting Colors

$Y_{xy}(21.8424, 0.3977, 0.3996)$

Have a look what the booklet for
Yxy(21.8424, 0.3977, 0.3996)
contains.

Yxy(21.9518, 0.3977, 0.4004)	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(21.9518, 0.3977, 0.4004)

Conversions

Conversions Part 1

Format	Color
Hex	987D52
RGB	152, 125, 82
RGB Percent	60%, 49%, 32%
CMY	0.4040, 0.5098, 0.6785
CMYK	0.00, 0.18, 0.46, 0.40
HSL	37°, 30%, 46%
HSV	37°, 46%, 60%
XYZ	21.8038, 21.9518, 11.0691
YIQ	128.1710, 29.8950, -7.6490

Conversions

Conversions Part 2

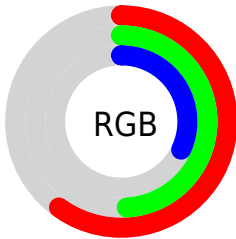
Format	Color
R_{YB}	126, 152, 82
Decimal	9993554
CIE _{Lab}	53.98, 4.46, 27.31
CIE _{LCh}	54, 27.667, 80.724
Yxy	21.9518, 0.3977, 0.4004
Android (android.graphics.Color)	4288183634 (0xFF987D52)
YUV	128.1710, -22.7623, 20.8980
Hunter-Lab	46.8527, 1.0759, 18.7895

Details

The Yxy color **21.9518, 0.3977, 0.4004** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.9921, 0.2379, 0.2441**, and the grayscale version is **21.7217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5201, 0.3799, 0.3851**, and **7.9489, 0.4286, 0.4233** is the 20% darker color. If you saturate the color by 10%, you get **20.3065, 0.4199, 0.4145**, and if you desaturate by 10%, it is **23.7380, 0.3764, 0.3850**.

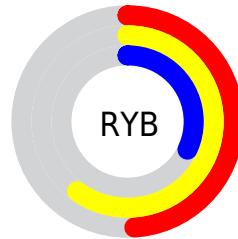
Distribution



Red (60%)

Green (49%)

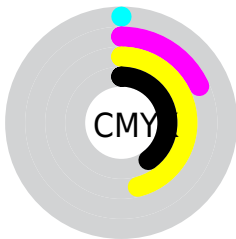
Blue (32%)



Red (49%)

Yellow (60%)

Blue (32%)

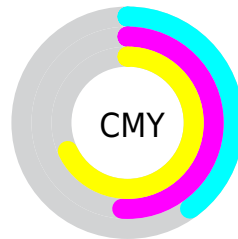


Cyan (0%)

Magenta (18%)

Yellow (46%)

Black (40%)



Cyan (40%)


Magenta (51%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9518, 0.3977, 0.4004 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 21.9518, 0.3977, 0.4004 by changing the saturation by 10% instead.


 21.9518, 0.3977,
0.4004


 21.9518, 0.3977,
0.4004


262.2945, 0.3504,
0.3616


 13.8215, 0.4110,
0.4108


 46.6663, 0.3794,
0.3857


 7.9966, 0.4287,
0.4241


 64.0193, 0.3728,
0.3803

 4.0928, 0.4529,
0.4413

 85.2153, 0.3674,
0.3759

 1.7256, 0.5127,
0.4873

 110.6388, 0.3629,
0.3721

 0.4401, 0.5450,
0.4550

 140.6740, 0.3591,
0.3689

 0.0000, 0.0000,
0.0000

175.7054, 0.3558,

0.3661

216.1174, 0.3529,
0.3637

■ 21.9518, 0.3977,
0.4004

■ 21.9518, 0.3977,
0.4004

■ 20.3065, 0.4199,
0.4145

■ 23.7380, 0.3764,
0.3850

■ 18.7940, 0.4422,
0.4263

■ 25.6664, 0.3565,
0.3690

■ 17.4100, 0.4636,
0.4345

■ 27.7425, 0.3383,
0.3532

■ 16.1484, 0.4830,
0.4383

■ 29.9702, 0.3218,
0.3379

■ 15.0014, 0.4996,
0.4373

■ 32.3535, 0.3071,
0.3234

■ 14.5739, 0.5060,
0.4364

■ 34.8960, 0.2940,
0.3098

■ 37.6012, 0.2823,
0.2973

■ 40.4726, 0.2720,
0.2857

■ 43.5134, 0.2628,
0.2751

Harmonies

Analogous

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



21.9518, 0.4121, 0.3661



21.9518, 0.3977, 0.4004



21.9518, 0.3604, 0.4186

Triad

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



21.9518, 0.3977, 0.4004



21.9518, 0.2341, 0.3223



21.9518, 0.3070, 0.2630

Complementary

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



21.9518, 0.3977, 0.4004



14.9921, 0.2379, 0.2441

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.



21.9518, 0.2617, 0.2502



21.9518, 0.3977, 0.4004



21.9518, 0.2224, 0.2800

Square

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



21.9518, 0.3977, 0.4004



21.9518, 0.2660, 0.3721



21.9518, 0.2320, 0.2553



21.9518, 0.3576, 0.2901

Rectangle

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



21.9518, 0.3977, 0.4004



21.9518, 0.3286, 0.4160



21.9518, 0.2320, 0.2553



21.9518, 0.2907, 0.2569

Sweetspot

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



21.9528, 0.3977, 0.4004



49.6563, 0.3353, 0.3504



13.8336, 0.3829, 0.2821



11.1125, 0.3387, 0.3535



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9528, 0.3977, 0.4004



35.8438, 0.4199, 0.4145



29.0809, 0.3711, 0.4419



6.8227, 0.3269, 0.3427



12.2829, 0.5052, 0.4370



0.2538, 0.4606, 0.4725

Inverse Universe

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



14.9921, 0.2379, 0.2441



22.0549, 0.2213, 0.2214



10.4238, 0.2359, 0.1921



6.3973, 0.2988, 0.3150



4.5449, 0.1683, 0.1260



0.1351, 0.1910, 0.2074

Previews

White Background



This preview shows how the Yxy color 21.9518, 0.3977, 0.4004 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9518, 0.3977, 0.4004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

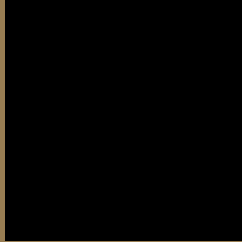
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9518, 0.3977, 0.4004

Background



This preview shows how black text looks on a background with the Yxy color 21.9518, 0.3977, 0.4004.



This preview shows how white text looks on a background with the Yxy color 21.9518, 0.3977, 0.4004.

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

21.9518, 0.3977, 0.4004

Protanopia

21.9161, 0.3772, 0.4079

Deuteranopia

21.8430, 0.4044, 0.3958



Tritanopia

21.8201, 0.3488, 0.3145

Trichromacy



Original Color

21.9518, 0.3977, 0.4004

Protanomaly

21.9922, 0.3841, 0.4065

Deuteranomaly

21.9931, 0.4023, 0.3977

Tritanomaly

21.7910, 0.3684, 0.3457

Monochromacy



Original Color

21.9518, 0.3977, 0.4004

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6448, 0.3432, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9518, 0.3977, 0.4004 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(152, 125, 82)` looks like.

```
.text, #text, p{  
    color:rgb(152, 125, 82)  
}
```

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(152, 125, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 125, 82) }
```

Border

The CSS property to change the border of an element to Yxy 21.9518, 0.3977, 0.4004 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(152, 125, 82) }
```

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

```
.border{ border-color:rgb(152, 125, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 125, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 125, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 125, 82);  
box-shadow:4px 4px 4px 4px rgb(152, 125,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9518, 0.3977, 0.4004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 125, 82) }
```

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

```
.background{ background-color: rgb(152,  
125, 82) }
```

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