

Converting Colors

$Y_{xy}(20.9817, 0.3989, 0.4696)$

Have a look what the booklet for
Yxy(20.9817, 0.3989, 0.4696)
contains.

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Color

Yxy(21.0040, 0.3991, 0.4690)

Conversions

Conversions Part 1

Format	Color
Hex	838230
RGB	131, 130, 48
RGB Percent	51%, 51%, 19%
CMY	0.4864, 0.4902, 0.8118
CMYK	0.00, 0.01, 0.63, 0.49
HSL	59°, 46%, 35%
HSV	59°, 63%, 51%
XYZ	17.8736, 21.0040, 5.9071
YIQ	120.9510, 26.9180, -25.2900

Conversions

Conversions Part 2

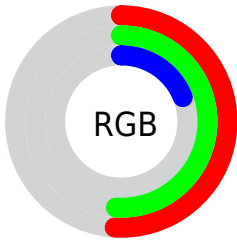
Format	Color
R _{YB}	49, 131, 48
Decimal	8618544
CIE Lab	52.95, -10.76, 43.17
CIE LCh	53, 44.493, 103.991
Yxy	21.0040, 0.3991, 0.4690
Android (android.graphics.Color)	4286808624 (0xFF838230)
YUV	120.9510, -35.9648, 8.8130
Hunter-Lab	45.8301, -10.5885, 24.4391

Details

The Yxy color **21.0040, 0.3991, 0.4690** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.4593, 0.1951, 0.1357**, and the grayscale version is **19.2150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1879, 0.3832, 0.4397**, and **7.5471, 0.4154, 0.5084** is the 20% darker color. If you saturate the color by 10%, you get **20.8718, 0.4082, 0.4834**, and if you desaturate by 10%, it is **21.1702, 0.3879, 0.4511**.

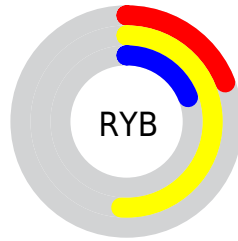
Distribution



Red (51%)

Green (51%)

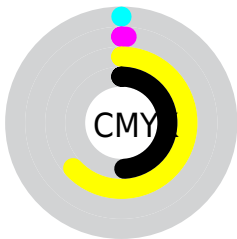
Blue (19%)



Red (19%)

Yellow (51%)

Blue (19%)

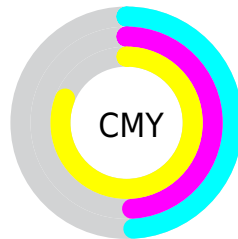


Cyan (0%)

Magenta (1%)

Yellow (63%)

Black (49%)



Cyan (49%)


Magenta (49%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0040, 0.3991, 0.4690 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 21.0040, 0.3991, 0.4690 by changing the saturation by 10% instead.


 21.0040, 0.3991,
0.4690


 21.0040, 0.3991,
0.4690


257.2998, 0.3544,
0.3910


 13.1269, 0.4088,
0.4897


 45.0942, 0.3833,
0.4393


 7.5160, 0.4189,
0.5156


 62.0761, 0.3772,
0.4284


 3.7868, 0.4380,
0.5620

 82.8617, 0.3719,
0.4195

 1.5551, 0.4204,
0.5796

 107.8355, 0.3674,
0.4119

 0.3270, 0.1285,
0.8715

 137.3818, 0.3635,
0.4055

 0.0000, 0.0000,
0.0000

 171.8850, 0.3601,

0.4000

211.7295, 0.3571,
0.3952

■ 21.0040, 0.3991,
0.4690

■ 21.0040, 0.3991,
0.4690

■ 20.8718, 0.4082,
0.4834

■ 21.1702, 0.3879,
0.4511

■ 20.7677, 0.4148,
0.4939

■ 21.3700, 0.3751,
0.4304

■ 20.6891, 0.4191,
0.5004

■ 21.6066, 0.3612,
0.4078

■ 20.6432, 0.4213,
0.5037

■ 21.8822, 0.3466,
0.3842

■ 22.1986, 0.3319,
0.3602

■ 22.5578, 0.3174,
0.3367

■ 22.9614, 0.3036,
0.3141

■ 23.4110, 0.2905,
0.2927

■ 23.9082, 0.2783,
0.2728

Harmonies

Analogous

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



21.0040, 0.4549, 0.4239



21.0040, 0.3991, 0.4690



21.0040, 0.3243, 0.4742

Triad

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



21.0040, 0.3991, 0.4690



21.0040, 0.1753, 0.2595



21.0040, 0.3662, 0.2574

Complementary

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



21.0040, 0.3991, 0.4690



4.4593, 0.1951, 0.1357

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.



21.0040, 0.2839, 0.2220



21.0040, 0.3991, 0.4690



21.0040, 0.1831, 0.2186

Square

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



21.0040, 0.3991, 0.4690



21.0040, 0.1975, 0.3327



21.0040, 0.2196, 0.2077



21.0040, 0.4397, 0.3080

Rectangle

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



21.0040, 0.3991, 0.4690



21.0040, 0.2736, 0.4440



21.0040, 0.2196, 0.2077



21.0040, 0.3381, 0.2436

Sweetspot

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



21.0050, 0.3991, 0.4690



39.4139, 0.3408, 0.3748



7.1616, 0.5014, 0.3272



9.1447, 0.3445, 0.3807



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



21.0050, 0.3991, 0.4690



37.3024, 0.4114, 0.4885



18.6575, 0.3469, 0.4999



5.4140, 0.3257, 0.3502



20.3277, 0.4213, 0.5037



0.0712, 0.4202, 0.5045

Inverse Universe

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



4.4593, 0.1951, 0.1357



5.0990, 0.1712, 0.0959



5.8308, 0.2474, 0.1571



4.5526, 0.2992, 0.3068



1.6460, 0.1503, 0.0611



0.0062, 0.1517, 0.0662

Previews

White Background



This preview shows how the Yxy color 21.0040, 0.3991, 0.4690 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 21.0040, 0.3991, 0.4690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

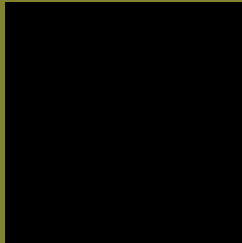
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0040, 0.3991, 0.4690

Background



This preview shows how black text looks on a background with the Yxy color 21.0040, 0.3991, 0.4690.



This preview shows how white text looks on a background with the Yxy color 21.0040, 0.3991, 0.4690.

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

21.0040, 0.3991, 0.4690

Protanopia

21.0467, 0.4160, 0.4587

Deuteranopia

20.8401, 0.4412, 0.4333



Tritanopia

21.0467, 0.3233, 0.3135

Trichromacy



Original Color

21.0040, 0.3991, 0.4690

Protanomaly

20.9619, 0.4098, 0.4631

Deuteranomaly

20.9415, 0.4260, 0.4461

Tritanomaly

20.8411, 0.3544, 0.3724

Monochromacy



Original Color

21.0040, 0.3991, 0.4690

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.5834, 0.3488, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0040, 0.3991, 0.4690 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(131, 130, 48)` looks like.

```
.text, #text, p{  
    color:rgb(131, 130, 48)  
}
```

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(131, 130, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 130, 48) }
```

Border

The CSS property to change the border of an element to Yxy 21.0040, 0.3991, 0.4690 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(131, 130, 48) }
```

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

```
.border{ border-color:rgb(131, 130, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 130, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 130, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 130, 48);  
box-shadow:4px 4px 4px 4px rgb(131, 130,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0040, 0.3991, 0.4690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 130, 48) }
```

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

```
.background{ background-color: rgb(131,  
130, 48) }
```

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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