

Converting Colors

$Y_{xy}(21.2777, 0.3215, 0.4004)$

Have a look what the booklet for
Yxy(21.2777, 0.3215, 0.4004)
contains.

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Color

Yxy(21.1832, 0.3216, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	6D8662
RGB	109, 134, 98
RGB Percent	43%, 53%, 38%
CMY	0.5726, 0.4745, 0.6156
CMYK	0.19, 0.00, 0.27, 0.47
HSL	102°, 16%, 45%
HSV	102°, 27%, 53%
XYZ	17.0356, 21.1832, 14.7525
YIQ	122.4210, -3.3440, -16.4960

Conversions

Conversions Part 2

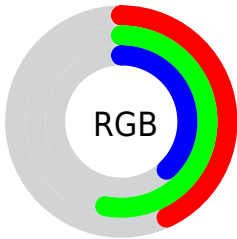
Format	Color
RYB	98, 134, 123
Decimal	7177826
CIELab	53.15, -16.15, 16.50
CIELCh	53, 23.088, 134.382
Yxy	21.1832, 0.3216, 0.3999
Android (android.graphics.Color)	4285367906 (0xFF6D8662)
YUV	122.4210, -12.0396, -11.7702
Hunter-Lab	46.0252, -14.4750, 13.2134

Details

The Yxy color **21.1832, 0.3216, 0.3999** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6765, 0.3007, 0.2620**, and the grayscale version is **19.6479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2876, 0.3202, 0.3826**, and **7.5718, 0.3242, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **20.3917, 0.3242, 0.4302**, and if you desaturate by 10%, it is **22.0816, 0.3185, 0.3715**.

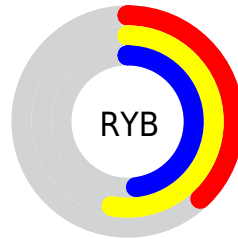
Distribution



Red (43%)

Green (53%)

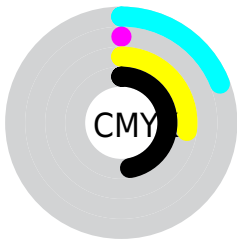
Blue (38%)



Red (38%)

Yellow (53%)

Blue (48%)

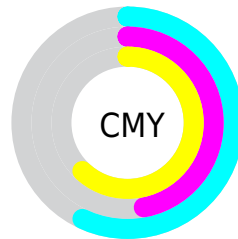


Cyan (19%)

Magenta (0%)

Yellow (27%)

Black (47%)



Cyan (57%)


Magenta (47%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1832, 0.3216, 0.3999 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 21.1832, 0.3216, 0.3999 by changing the saturation by 10% instead.


 21.1832, 0.3216,
0.3999


 21.1832, 0.3216,
0.3999

258.2505, 0.3173,
0.3586

 13.2580, 0.3224,
0.4128


 45.3922, 0.3201,
0.3831


 7.6064, 0.3233,
0.4314


 62.4448, 0.3196,
0.3774

 3.8442, 0.3235,
0.4603

 83.3087, 0.3190,
0.3728

 1.5868, 0.3309,
0.5261

 108.3682, 0.3186,
0.3689

 0.3487, 0.0000,
1.0000

138.0077, 0.3182,
0.3657

 0.0000, 0.0000,
0.0000

172.6117, 0.3179,

0.3630

212.5645, 0.3176,
0.3606

■ 21.1832, 0.3216,
0.3999

■ 21.1832, 0.3216,
0.3999

■ 20.3917, 0.3242,
0.4302

■ 22.0816, 0.3185,
0.3715

■ 19.7003, 0.3261,
0.4615

■ 23.0880, 0.3151,
0.3454

■ 19.1057, 0.3269,
0.4926

■ 24.2069, 0.3116,
0.3218

■ 18.6030, 0.3265,
0.5219

■ 25.4418, 0.3081,
0.3008

■ 18.1872, 0.3247,
0.5476

■ 26.7959, 0.3047,
0.2821

■ 17.8527, 0.3215,
0.5681

■ 28.2725, 0.3015,
0.2655

■ 17.5907, 0.3173,
0.5829

■ 29.8745, 0.2984,
0.2509

■ 17.5191, 0.3161,
0.5872

■ 31.6050, 0.2955,
0.2380

■ 33.4667, 0.2928,
0.2267

Harmonies

Analogous

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



21.1832, 0.3615, 0.4031



21.1832, 0.3216, 0.3999



21.1832, 0.2810, 0.3731

Triad

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



21.1832, 0.3216, 0.3999



21.1832, 0.2404, 0.2695



21.1832, 0.3785, 0.3205

Complementary

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



21.1832, 0.3216, 0.3999



14.6765, 0.3007, 0.2620

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.



21.1832, 0.3421, 0.2901



21.1832, 0.3216, 0.3999



21.1832, 0.2628, 0.2611

Square

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



21.1832, 0.3216, 0.3999



21.1832, 0.2360, 0.2945



21.1832, 0.2993, 0.2688



21.1832, 0.3961, 0.3545

Rectangle

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



21.1832, 0.3216, 0.3999



21.1832, 0.2589, 0.3467



21.1832, 0.2993, 0.2688



21.1832, 0.3679, 0.3097

Sweetspot

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



21.1841, 0.3216, 0.3999



40.4285, 0.3156, 0.3487



20.0211, 0.3564, 0.3741



9.0532, 0.3160, 0.3521



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.



21.1841, 0.3216, 0.3999



36.4815, 0.3232, 0.4174



20.6621, 0.3028, 0.3887



5.2684, 0.3159, 0.3511



16.4216, 0.3163, 0.5870



0.0604, 0.3481, 0.5618

Inverse Universe

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



14.6765, 0.3007, 0.2620



23.0873, 0.2974, 0.2465



15.3522, 0.3246, 0.2759



4.6936, 0.3092, 0.3073



3.8095, 0.2473, 0.1136



0.0170, 0.2830, 0.1333

Previews

White Background



This preview shows how the Yxy color 21.1832, 0.3216, 0.3999 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 21.1832, 0.3216, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

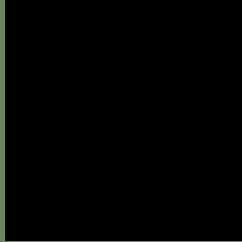
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

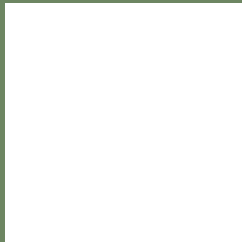
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.1832, 0.3216, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 21.1832, 0.3216, 0.3999.



This preview shows how white text looks on a background with the Yxy color 21.1832, 0.3216, 0.3999.

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

21.1832, 0.3216, 0.3999

Protanopia

20.9822, 0.3611, 0.3850

Deuteranopia

21.1546, 0.3715, 0.3651



Tritanopia

21.2094, 0.2868, 0.3106

Trichromacy



Original Color

21.1832, 0.3216, 0.3999

Protanomaly

20.9807, 0.3458, 0.3908

Deuteranomaly

20.9101, 0.3526, 0.3763

Tritanomaly

21.1985, 0.2997, 0.3422

Monochromacy



Original Color

21.1832, 0.3216, 0.3999

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.8959, 0.3163, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1832, 0.3216, 0.3999 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(109, 134, 98)` looks like.

```
.text, #text, p{  
    color:rgb(109, 134, 98)  
}
```

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(109, 134, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 134, 98) }
```

Border

The CSS property to change the border of an element to Yxy 21.1832, 0.3216, 0.3999 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(109, 134, 98) }
```

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

```
.border{ border-color:rgb(109, 134, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 134, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 134, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 134, 98);  
box-shadow:4px 4px 4px 4px rgb(109, 134,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1832, 0.3216, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 134, 98) }
```

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

```
.background{ background-color: rgb(109,  
134, 98) }
```

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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