

Converting Colors

$Y_{xy}(21.0652, 0.3211, 0.4023)$

Have a look what the booklet for
Yxy(21.0652, 0.3211, 0.4023)
contains.

Yxy(21.1014, 0.3215, 0.4022)	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

$\text{Yxy}(21.1014, 0.3215, 0.4022)$

Conversions

Conversions Part 1

Format	Color
Hex	6C8661
RGB	108, 134, 97
RGB Percent	42%, 53%, 38%
CMY	0.5765, 0.4745, 0.6196
CMYK	0.19, 0.00, 0.28, 0.47
HSL	102°, 16%, 45%
HSV	102°, 28%, 53%
XYZ	16.8675, 21.1014, 14.4961
YIQ	122.0080, -3.6190, -17.0190

Conversions

Conversions Part 2

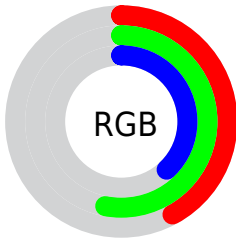
Format	Color
R_{YB}	97, 134, 123
Decimal	7112289
CIE _{Lab}	53.06, -16.69, 16.95
CIE _{LCh}	53, 23.788, 134.572
Yxy	21.1014, 0.3215, 0.4022
Android (android.graphics.Color)	4285302369 (0xFF6C8661)
YUV	122.0080, -12.3289, -12.2850
Hunter-Lab	45.9363, -14.8445, 13.4453

Details

The Yxy color **21.1014, 0.3215, 0.4022** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4852, 0.3007, 0.2600**, and the grayscale version is **19.5074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1523, 0.3201, 0.3842**, and **7.5316, 0.3239, 0.4349** is the 20% darker color. If you saturate the color by 10%, you get **20.3140, 0.3240, 0.4327**, and if you desaturate by 10%, it is **21.9967, 0.3185, 0.3736**.

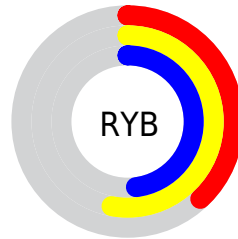
Distribution



Red (42%)

Green (53%)

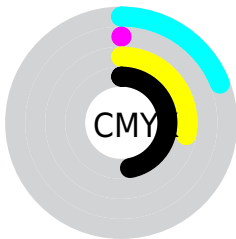
Blue (38%)



Red (38%)

Yellow (53%)

Blue (48%)

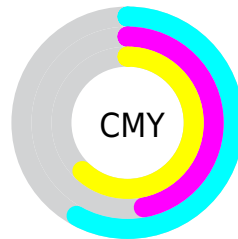


Cyan (19%)

Magenta (0%)

Yellow (28%)

Black (47%)



Cyan (58%)


Magenta (47%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1014, 0.3215, 0.4022 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 21.1014, 0.3215, 0.4022 by changing the saturation by 10% instead.


 21.1014, 0.3215,
0.4022


 21.1014, 0.3215,
0.4022


257.8169, 0.3173,
0.3595


 13.1981, 0.3223,
0.4156


 45.2562, 0.3201,
0.3848


 7.5651, 0.3230,
0.4349


 62.2766, 0.3195,
0.3789

 3.8180, 0.3230,
0.4649

 83.1048, 0.3190,
0.3741

 1.5723, 0.3315,
0.5357

 108.1252, 0.3186,
0.3702

 0.3388, 0.0000,
1.0000

137.7222, 0.3182,
0.3668

 0.0000, 0.0000,
0.0000

172.2802, 0.3179,

0.3640

212.1837, 0.3176,
0.3616

■ 21.1014, 0.3215,
0.4022

■ 21.1014, 0.3215,
0.4022

■ 20.3140, 0.3240,
0.4327

■ 21.9967, 0.3185,
0.3736

■ 19.6275, 0.3257,
0.4641

■ 23.0011, 0.3153,
0.3473

■ 19.0386, 0.3263,
0.4952

■ 24.1192, 0.3119,
0.3235

■ 18.5423, 0.3258,
0.5244

■ 25.3544, 0.3085,
0.3023

■ 18.1336, 0.3238,
0.5499

■ 26.7101, 0.3052,
0.2834

■ 17.8065, 0.3205,
0.5699

■ 28.1897, 0.3020,
0.2667

■ 17.5514, 0.3164,
0.5844

■ 29.7960, 0.2990,
0.2520

■ 17.4980, 0.3155,
0.5877

■ 31.5323, 0.2962,
0.2391

■ 33.4012, 0.2935,
0.2277

Harmonies

Analogous

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



21.1014, 0.3627, 0.4056



21.1014, 0.3215, 0.4022



21.1014, 0.2797, 0.3743

Triad

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



21.1014, 0.3215, 0.4022



21.1014, 0.2384, 0.2675



21.1014, 0.3808, 0.3204

Complementary

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



21.1014, 0.3215, 0.4022



14.4852, 0.3007, 0.2600

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.



21.1014, 0.3433, 0.2891



21.1014, 0.3215, 0.4022



21.1014, 0.2614, 0.2591

Square

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



21.1014, 0.3215, 0.4022



21.1014, 0.2337, 0.2931



21.1014, 0.2991, 0.2672



21.1014, 0.3988, 0.3553

Rectangle

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



21.1014, 0.3215, 0.4022



21.1014, 0.2570, 0.3469



21.1014, 0.2991, 0.2672



21.1014, 0.3699, 0.3092

Sweetspot

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



21.1023, 0.3215, 0.4022



40.4175, 0.3155, 0.3487



20.0743, 0.3575, 0.3765



9.0503, 0.3159, 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.



21.1023, 0.3215, 0.4022



36.3067, 0.3231, 0.4207



20.6008, 0.3019, 0.3893



5.2669, 0.3158, 0.3511



16.4027, 0.3157, 0.5876



0.0602, 0.3470, 0.5626

Inverse Universe

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



14.4852, 0.3007, 0.2600



22.6727, 0.2973, 0.2439



15.1423, 0.3258, 0.2754



4.6953, 0.3093, 0.3073



3.8587, 0.2490, 0.1145



0.0172, 0.2840, 0.1338

Previews

White Background



This preview shows how the Yxy color 21.1014, 0.3215, 0.4022 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 21.1014, 0.3215, 0.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

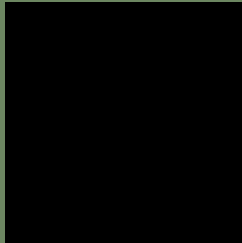
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1014, 0.3215, 0.4022

Background



This preview shows how black text looks on a background with the Yxy color 21.1014, 0.3215, 0.4022.



This preview shows how white text looks on a background with the Yxy color 21.1014, 0.3215, 0.4022.

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

21.1014, 0.3215, 0.4022

Protanopia

20.9641, 0.3623, 0.3868

Deuteranopia

20.8907, 0.3732, 0.3652



Tritanopia

21.2094, 0.2868, 0.3106

Trichromacy



Original Color

21.1014, 0.3215, 0.4022

Protanomaly

20.9624, 0.3470, 0.3927

Deuteranomaly

20.8091, 0.3525, 0.3784

Tritanomaly

21.1326, 0.2986, 0.3423

Monochromacy



Original Color

21.1014, 0.3215, 0.4022

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 21.1014, 0.3215, 0.4022 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(108, 134, 97)` looks like.

```
.text, #text, p{  
    color:rgb(108, 134, 97)  
}
```

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(108, 134, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 134, 97) }
```

Border

The CSS property to change the border of an element to Yxy 21.1014, 0.3215, 0.4022 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(108, 134, 97) }
```

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

```
.border{ border-color:rgb(108, 134, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 134, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 134, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 134, 97);  
box-shadow:4px 4px 4px 4px rgb(108, 134,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1014, 0.3215, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 134, 97) }
```

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

```
.background{ background-color: rgb(108,  
134, 97) }
```

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