

Converting Colors

$Y_{xy}(21.9168, 0.3658, 0.4255)$

Have a look what the booklet for
Yxy(21.9168, 0.3658, 0.4255)
contains.

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Color

Yxy(22.0214, 0.3650, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	818550
RGB	129, 133, 80
RGB Percent	51%, 52%, 31%
CMY	0.4941, 0.4784, 0.6863
CMYK	0.03, 0.00, 0.40, 0.48
HSL	65°, 25%, 42%
HSV	65°, 40%, 52%
XYZ	18.8903, 22.0214, 10.8425
YIQ	125.7620, 14.6290, -17.3310

Conversions

Conversions Part 2

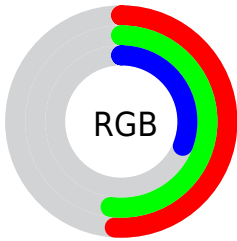
Format	Color
RYB	80, 133, 84
Decimal	8488272
CIELab	54.05, -10.15, 28.07
CIELCh	54, 29.852, 109.875
Yxy	22.0214, 0.3650, 0.4255
Android (android.graphics.Color)	4286678352 (0xFF818550)
YUV	125.7620, -22.5607, 2.8397
Hunter-Lab	46.9270, -10.2677, 19.1499

Details

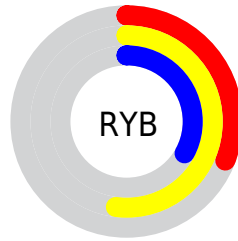
The Yxy color **22.0214, 0.3650, 0.4255** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.3133, 0.2473, 0.2141**, and the grayscale version is **20.8543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7968, 0.3548, 0.4038**, and **8.1184, 0.3813, 0.4631** is the 20% darker color. If you saturate the color by 10%, you get **21.7670, 0.3768, 0.4482**, and if you desaturate by 10%, it is **22.3175, 0.3522, 0.4014**.

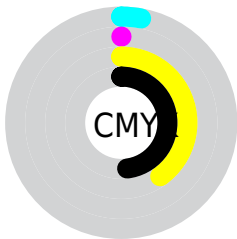
Distribution



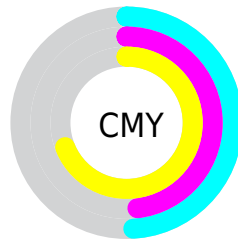
- Red (51%)
- Green (52%)
- Blue (31%)



- Red (31%)
- Yellow (52%)
- Blue (33%)



- Cyan (3%)
- Magenta (0%)
- Yellow (40%)
- Black (48%)





- Cyan (49%)
- Magenta (48%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0214, 0.3650, 0.4255 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 22.0214, 0.3650, 0.4255 by changing the saturation by 10% instead.


 22.0214, 0.3650,
0.4255


 22.0214, 0.3650,
0.4255


262.6580, 0.3369,
0.3706

 13.8726, 0.3723,
0.4416


 46.7814, 0.3545,
0.4038

 8.0321, 0.3814,
0.4636


 64.1613, 0.3506,
0.3962


 4.1155, 0.3923,
0.4951

 85.3872, 0.3474,
0.3900

 1.7384, 0.4266,
0.5734

 110.8433, 0.3446,
0.3848

 0.4483, 0.2846,
0.7154

 140.9140, 0.3423,
0.3804

 0.0000, 0.0000,
0.0000

175.9838, 0.3403,

0.3767

216.4370, 0.3385,
0.3734

■ 22.0214, 0.3650,
0.4255

■ 22.0214, 0.3650,
0.4255

■ 21.7670, 0.3768,
0.4482

■ 22.3175, 0.3522,
0.4014

■ 21.5489, 0.3870,
0.4687

■ 22.6544, 0.3390,
0.3767

■ 21.3657, 0.3953,
0.4859

■ 23.0351, 0.3256,
0.3523

■ 21.2144, 0.4012,
0.4994

■ 23.4614, 0.3125,
0.3287


■ 21.0917, 0.4047,
0.5088

■ 23.9351, 0.3000,
0.3062


 20.9877, 0.4066,
0.5153

 24.4577, 0.2882,
0.2852

 20.9862, 0.4066,
0.5154

 25.0310, 0.2771,
0.2658

 25.6562, 0.2669,
0.2480

 26.3350, 0.2576,
0.2318

Harmonies

Analogous

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



22.0214, 0.4048, 0.4044



22.0214, 0.3650, 0.4255



22.0214, 0.3131, 0.4171

Triad

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



22.0214, 0.3650, 0.4255



22.0214, 0.2161, 0.2770



22.0214, 0.3596, 0.2863

Complementary

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



22.0214, 0.3650, 0.4255



9.3133, 0.2473, 0.2141

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.



22.0214, 0.3049, 0.2578



22.0214, 0.3650, 0.4255



22.0214, 0.2258, 0.2503

Square

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



22.0214, 0.3650, 0.4255



22.0214, 0.2291, 0.3230



22.0214, 0.2568, 0.2446



22.0214, 0.4032, 0.3249

Rectangle

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



22.0214, 0.3650, 0.4255



22.0214, 0.2790, 0.3931



22.0214, 0.2568, 0.2446



22.0214, 0.3416, 0.2754

Sweetspot

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



22.0224, 0.3650, 0.4255



41.0794, 0.3288, 0.3582



11.8329, 0.4049, 0.3361



9.2383, 0.3302, 0.3607



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.



22.0224, 0.3650, 0.4255



39.0131, 0.3759, 0.4466



20.2353, 0.3328, 0.4367



5.4057, 0.3246, 0.3505



19.9914, 0.4066, 0.5153



0.0706, 0.4133, 0.5100

Inverse Universe

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



9.3133, 0.2473, 0.2141



12.8832, 0.2291, 0.1831



10.7465, 0.2830, 0.2247



4.5601, 0.3002, 0.3067



1.6761, 0.1535, 0.0619



0.0068, 0.1690, 0.0705

Previews

White Background



This preview shows how the Yxy color 22.0214, 0.3650, 0.4255 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 22.0214, 0.3650, 0.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

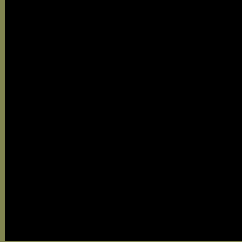
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0214, 0.3650, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 22.0214, 0.3650, 0.4255.



This preview shows how white text looks on a background with the Yxy color 22.0214, 0.3650, 0.4255.

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

22.0214, 0.3650, 0.4255

Protanopia

21.9277, 0.3839, 0.4158

Deuteranopia

21.8430, 0.4044, 0.3958



Tritanopia

21.9335, 0.3135, 0.3118

Trichromacy



Original Color

22.0214, 0.3650, 0.4255

Protanomaly

21.8481, 0.3781, 0.4191

Deuteranomaly

21.8838, 0.3896, 0.4074

Tritanomaly

21.9480, 0.3319, 0.3523

Monochromacy



Original Color

22.0214, 0.3650, 0.4255

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.3167, 0.3325, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0214, 0.3650, 0.4255 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(129, 133, 80)` looks like.

```
.text, #text, p{  
    color:rgb(129, 133, 80)  
}
```

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(129, 133, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 133, 80) }
```

Border

The CSS property to change the border of an element to Yxy 22.0214, 0.3650, 0.4255 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(129, 133, 80) }
```

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

```
.border{ border-color:rgb(129, 133, 80) }
```

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

Here you see how a box with a 4 pixel rgb(129, 133, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 133, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 133, 80);  
box-shadow:4px 4px 4px 4px rgb(129, 133,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0214, 0.3650, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 133, 80) }
```

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

```
.background{ background-color: rgb(129,  
133, 80) }
```

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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