

Converting Colors

$Y_{xy}(21.3321, 0.3465, 0.3780)$

Have a look what the booklet for
Yxy(21.3321, 0.3465, 0.3780)
contains.

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Color

Yxy(21.2229, 0.3457, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	838066
RGB	131, 128, 102
RGB Percent	51%, 50%, 40%
CMY	0.4863, 0.4980, 0.6000
CMYK	0.00, 0.02, 0.22, 0.49
HSL	54°, 12%, 46%
HSV	54°, 22%, 51%
XYZ	19.4764, 21.2229, 15.6397
YIQ	125.9330, 10.1340, -7.4500

Conversions

Conversions Part 2

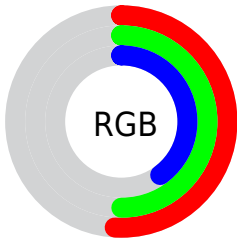
Format	Color
R_YB	105, 131, 102
Decimal	8618086
CIE Lab	53.19, -3.47, 14.56
CIE LCh	53, 14.963, 103.398
Yxy	21.2229, 0.3457, 0.3767
Android (android.graphics.Color)	4286808166 (0xFF838066)
YUV	125.9330, -11.7990, 4.4438
Hunter-Lab	46.0683, -5.1548, 12.1195

Details

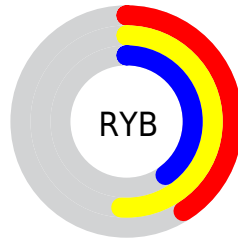
The Yxy color **21.2229, 0.3457, 0.3767** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.5631, 0.2775, 0.2763**, and the grayscale version is **20.8783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5380, 0.3382, 0.3664**, and **7.6171, 0.3579, 0.3964** is the 20% darker color. If you saturate the color by 10%, you get **20.6346, 0.3613, 0.3986**, and if you desaturate by 10%, it is **21.8589, 0.3304, 0.3548**.

Distribution



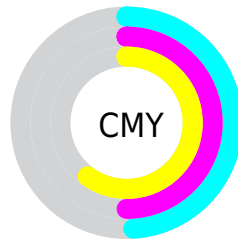
- Red (51%)
- Green (50%)
- Blue (40%)



- Red (41%)
- Yellow (51%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (22%)
- Black (49%)





- Cyan (49%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2229, 0.3457, 0.3767 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 21.2229, 0.3457, 0.3767 by changing the saturation by 10% instead.


 21.2229, 0.3457,
0.3767


 21.2229, 0.3457,
0.3767


258.4607, 0.3272,
0.3496


 13.2870, 0.3511,
0.3848

 45.4582, 0.3385,
0.3659


 7.6265, 0.3585,
0.3963


 62.5264, 0.3359,
0.3621

 3.8569, 0.3692,
0.4134

 83.4076, 0.3338,
0.3591

 1.5938, 0.3914,
0.4478

 108.4860, 0.3321,
0.3565

 0.3534, 0.4155,
0.5845

138.1462, 0.3306,
0.3544

 0.0000, 0.0000,
0.0000

172.7724, 0.3293,

0.3525

212.7491, 0.3282,
0.3509

■ 21.2229, 0.3457,
0.3767

■ 21.2229, 0.3457,
0.3767

■ 20.6346, 0.3613,
0.3986

■ 21.8589, 0.3304,
0.3548

■ 20.0891, 0.3768,
0.4199

■ 22.5415, 0.3157,
0.3334

■ 19.5854, 0.3917,
0.4396

■ 23.2733, 0.3019,
0.3130

■ 19.1210, 0.4053,
0.4569

■ 24.0561, 0.2891,
0.2939

■ 18.6936, 0.4171,
0.4710

■ 24.8913, 0.2773,
0.2760

■ 18.3002, 0.4266,
0.4812

■ 25.7804, 0.2665,
0.2595

■ 17.9374, 0.4335,
0.4872

■ 26.7248, 0.2568,
0.2444

■ 17.6648, 0.4380,
0.4904

■ 27.7259, 0.2479,
0.2307

■ 28.7849, 0.2399,
0.2181

Harmonies

Analogous

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



21.2229, 0.3629, 0.3658



21.2229, 0.3457, 0.3767



21.2229, 0.3201, 0.3741

Triad

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



21.2229, 0.3457, 0.3767



21.2229, 0.2620, 0.3081



21.2229, 0.3312, 0.3026

Complementary

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



21.2229, 0.3457, 0.3767



14.5631, 0.2775, 0.2763

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.



21.2229, 0.3035, 0.2885



21.2229, 0.3457, 0.3767



21.2229, 0.2645, 0.2906

Square

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



21.2229, 0.3457, 0.3767



21.2229, 0.2723, 0.3328



21.2229, 0.2794, 0.2839



21.2229, 0.3545, 0.3233

Rectangle

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



21.2229, 0.3457, 0.3767



21.2229, 0.3019, 0.3645



21.2229, 0.2794, 0.2839



21.2229, 0.3220, 0.2970

Sweetspot

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



21.2238, 0.3457, 0.3767



39.7471, 0.3230, 0.3441



15.3549, 0.3505, 0.3227



9.2408, 0.3237, 0.3451



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.



21.2238, 0.3457, 0.3767



37.4235, 0.3543, 0.3888



21.1739, 0.3310, 0.3842



5.3433, 0.3259, 0.3483



17.3930, 0.4380, 0.4904



0.0661, 0.4279, 0.4985

Inverse Universe

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



14.5631, 0.2775, 0.2763



23.0983, 0.2676, 0.2612



14.6592, 0.2913, 0.2725



4.6161, 0.2992, 0.3089



1.9110, 0.1527, 0.0698



0.0113, 0.1639, 0.1100

Previews

White Background



This preview shows how the Yxy color 21.2229, 0.3457, 0.3767 looks on a white background.

Color Contrast Check

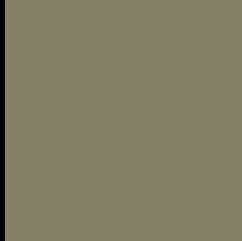
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2229, 0.3457, 0.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

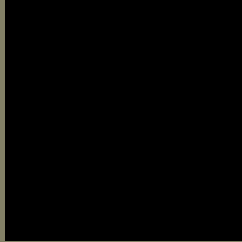
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2229, 0.3457, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 21.2229, 0.3457, 0.3767.

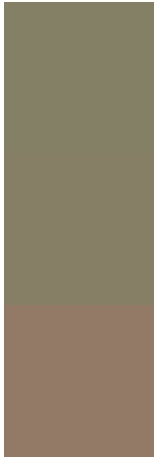


This preview shows how white text looks on a background with the Yxy color 21.2229, 0.3457, 0.3767.

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

21.2229, 0.3457, 0.3767

Protanopia

21.2692, 0.3523, 0.3760

Deuteranopia

21.1014, 0.3677, 0.3618



Tritanopia

21.2597, 0.3159, 0.3133

Trichromacy



Original Color

21.2229, 0.3457, 0.3767

Protanomaly

21.1867, 0.3511, 0.3762

Deuteranomaly

21.0573, 0.3589, 0.3662

Tritanomaly

21.1407, 0.3271, 0.3344

Monochromacy



Original Color

21.2229, 0.3457, 0.3767

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0523, 0.3251, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2229, 0.3457, 0.3767 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, 128, 102)` looks like.

```
.text, #text, p{  
    color:rgb(131, 128, 102)  
}
```

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, 128, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 102) }
```

Border

The CSS property to change the border of an element to Yxy 21.2229, 0.3457, 0.3767 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, 128, 102) }
```

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

```
.border{ border-color:rgb(131, 128, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 128, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 128, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 128, 102);  
box-shadow:4px 4px 4px 4px rgb(131, 128,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2229, 0.3457, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 102) }
```

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

```
.background{ background-color: rgb(131,  
128, 102) }
```

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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