

Converting Colors

$Y_{xy}(21.3385, 0.3279, 0.3871)$

Have a look what the booklet for
Yxy(21.3385, 0.3279, 0.3871)
contains.

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Color

Yxy(21.2437, 0.3273, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	758466
RGB	117, 132, 102
RGB Percent	46%, 52%, 40%
CMY	0.5412, 0.4823, 0.6000
CMYK	0.11, 0.00, 0.23, 0.48
HSL	90°, 13%, 46%
HSV	90°, 23%, 52%
XYZ	17.9852, 21.2437, 15.7212
YIQ	124.0950, 0.6900, -12.5100

Conversions

Conversions Part 2

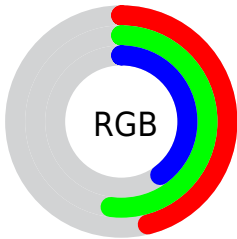
Format	Color
RYB	102, 132, 117
Decimal	7701606
CIELab	53.22, -11.29, 14.41
CIELCh	53, 18.308, 128.068
Yxy	21.2437, 0.3273, 0.3866
Android (android.graphics.Color)	4285891686 (0xFF758466)
YUV	124.0950, -10.8928, -6.2223
Hunter-Lab	46.0909, -11.0064, 12.0403

Details

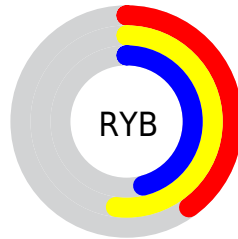
The Yxy color $21.2437, 0.3273, 0.3866$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $14.9497, 0.2952, 0.2715$, and the grayscale version is $20.2262, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.4328, 0.3242, 0.3733$, and $7.6913, 0.3310, 0.4128$ is the 20% darker color. If you saturate the color by 10%, you get $20.5620, 0.3332, 0.4146$, and if you desaturate by 10%, it is $22.0012, 0.3210, 0.3601$.

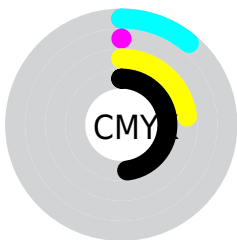
Distribution



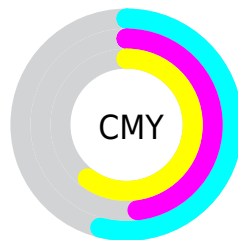
- Red (46%)
- Green (52%)
- Blue (40%)



- Red (40%)
- Yellow (52%)
- Blue (46%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (48%)




- Cyan (54%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2437, 0.3273, 0.3866 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 21.2437, 0.3273, 0.3866 by changing the saturation by 10% instead.


 21.2437, 0.3273,
0.3866


 21.2437, 0.3273,
0.3866


258.5708, 0.3195,
0.3533


 13.3023, 0.3294,
0.3969


 45.4928, 0.3244,
0.3732

 7.6370, 0.3320,
0.4116


 62.5692, 0.3233,
0.3686

 3.8636, 0.3354,
0.4342

 83.4594, 0.3224,
0.3648

 1.5975, 0.3442,
0.4800

 108.5477, 0.3216,
0.3617

 0.3559, 0.1499,
0.8501

138.2187, 0.3210,
0.3591

 0.0000, 0.0000,
0.0000

172.8566, 0.3204,

0.3569

212.8458, 0.3199,
0.3550

■ 21.2437, 0.3273,
0.3866

■ 21.2437, 0.3273,
0.3866

■ 20.5620, 0.3332,
0.4146

■ 22.0012, 0.3210,
0.3601

■ 19.9507, 0.3385,
0.4434

■ 22.8342, 0.3145,
0.3354

■ 19.4079, 0.3426,
0.4721

■ 23.7460, 0.3081,
0.3128

■ 18.9307, 0.3452,
0.4994

■ 24.7388, 0.3019,
0.2923

■ 18.5155, 0.3460,
0.5239

■ 25.8148, 0.2959,
0.2738

■ 18.1589, 0.3447,
0.5444

■ 26.9761, 0.2903,
0.2573

■ 17.8564, 0.3414,
0.5599

■ 28.2245, 0.2851,
0.2425

■ 17.6618, 0.3385,
0.5694

■ 29.5621, 0.2802,
0.2293

■ 30.9907, 0.2757,
0.2176

Harmonies

Analogous

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



21.2437, 0.3575, 0.3860



21.2437, 0.3273, 0.3866



21.2437, 0.2942, 0.3691

Triad

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



21.2437, 0.3273, 0.3866



21.2437, 0.2526, 0.2849



21.2437, 0.3596, 0.3170

Complementary

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



21.2437, 0.3273, 0.3866



14.9497, 0.2952, 0.2715

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.



21.2437, 0.3292, 0.2933



21.2437, 0.3273, 0.3866



21.2437, 0.2680, 0.2748

Square

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



21.2437, 0.3273, 0.3866



21.2437, 0.2523, 0.3080



21.2437, 0.2955, 0.2781



21.2437, 0.3772, 0.3445

Rectangle

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



21.2437, 0.3273, 0.3866



21.2437, 0.2750, 0.3499



21.2437, 0.2955, 0.2781



21.2437, 0.3505, 0.3084

Sweetspot

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



21.2446, 0.3273, 0.3866



39.5540, 0.3173, 0.3461



18.5875, 0.3511, 0.3571



9.1932, 0.3176, 0.3472



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.



21.2446, 0.3273, 0.3866



36.8185, 0.3303, 0.4001



20.2873, 0.3099, 0.3898



5.3106, 0.3186, 0.3509



17.1031, 0.3386, 0.5694



0.0636, 0.3724, 0.5426

Inverse Universe

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



14.9497, 0.2952, 0.2715



23.8072, 0.2906, 0.2581



16.0736, 0.3153, 0.2749



4.6504, 0.3064, 0.3071



2.7379, 0.2052, 0.0904



0.0138, 0.2535, 0.1170

Previews

White Background



This preview shows how the Yxy color 21.2437, 0.3273, 0.3866 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 21.2437, 0.3273, 0.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

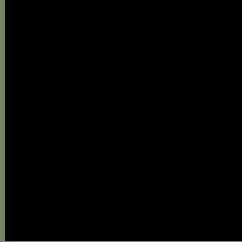
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

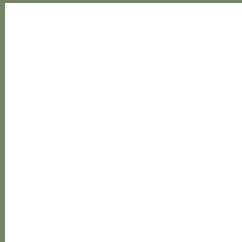
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.2437, 0.3273, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 21.2437, 0.3273, 0.3866.



This preview shows how white text looks on a background with the Yxy color 21.2437, 0.3273, 0.3866.

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

21.2437, 0.3273, 0.3866

Protanopia

21.2497, 0.3535, 0.3778

Deuteranopia

21.1216, 0.3664, 0.3601



Tritanopia

21.1225, 0.2963, 0.3109

Trichromacy



Original Color

21.2437, 0.3273, 0.3866

Protanomaly

21.2293, 0.3427, 0.3809

Deuteranomaly

21.1352, 0.3517, 0.3705

Tritanomaly

21.1488, 0.3076, 0.3383

Monochromacy



Original Color

21.2437, 0.3273, 0.3866

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.5046, 0.3177, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2437, 0.3273, 0.3866 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(117, 132, 102)` looks like.

```
.text, #text, p{  
    color:rgb(117, 132, 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(117, 132, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 132, 102) }
```

Border

The CSS property to change the border of an element to Yxy 21.2437, 0.3273, 0.3866 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(117, 132, 102) }
```

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

```
.border{ border-color:rgb(117, 132, 102) }
```

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

Here you see how a box with a 4 pixel rgb(117, 132, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 132, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 132, 102);  
box-shadow:4px 4px 4px 4px rgb(117, 132,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2437, 0.3273, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 132, 102) }
```

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

```
.background{ background-color: rgb(117,  
132, 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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