

Converting Colors

$Y_{xy}(21.2515, 0.3180, 0.3840)$

Have a look what the booklet for
Yxy(21.2515, 0.3180, 0.3840)
contains.

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Color

Yxy(21.2397, 0.3181, 0.3834)

Conversions

Conversions Part 1

Format	Color
Hex	708569
RGB	112, 133, 105
RGB Percent	44%, 52%, 41%
CMY	0.5607, 0.4784, 0.5882
CMYK	0.16, 0.00, 0.21, 0.48
HSL	105°, 12%, 47%
HSV	105°, 21%, 52%
XYZ	17.6222, 21.2397, 16.5364
YIQ	123.5290, -3.5280, -13.1600

Conversions

Conversions Part 2

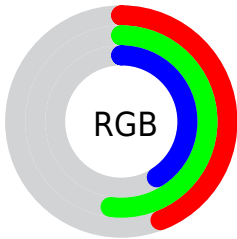
Format	Color
RYB	105, 133, 126
Decimal	7374185
CIELab	53.21, -13.21, 12.62
CIElCh	53, 18.274, 136.311
Yxy	21.2397, 0.3181, 0.3834
Android (android.graphics.Color)	4285564265 (0xFF708569)
YUV	123.5290, -9.1348, -10.1109
Hunter-Lab	46.0865, -12.3981, 10.9866

Details

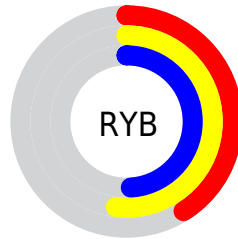
The Yxy color $21.2397, 0.3181, 0.3834$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $16.2309, 0.3058, 0.2775$, and the grayscale version is $20.0251, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.4106, 0.3174, 0.3709$, and $7.5820, 0.3192, 0.4053$ is the 20% darker color. If you saturate the color by 10%, you get $20.3702, 0.3202, 0.4130$, and if you desaturate by 10%, it is $22.2261, 0.3156, 0.3561$.

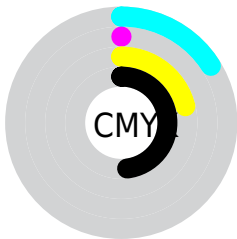
Distribution



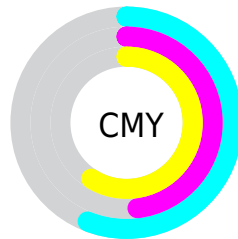
- Red (44%)
- Green (52%)
- Blue (41%)



- Red (41%)
- Yellow (52%)
- Blue (49%)



- Cyan (16%)
- Magenta (0%)
- Yellow (21%)
- Black (48%)




- Cyan (56%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2397, 0.3181, 0.3834 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 21.2397, 0.3181, 0.3834 by changing the saturation by 10% instead.


 21.2397, 0.3181,
0.3834


 21.2397, 0.3181,
0.3834


258.5496, 0.3155,
0.3519


 13.2993, 0.3186,
0.3932


 45.4861, 0.3172,
0.3706


 7.6350, 0.3192,
0.4073


 62.5610, 0.3168,
0.3663

 3.8623, 0.3195,
0.4291

 83.4494, 0.3165,
0.3627

 1.5968, 0.3205,
0.4703

 108.5359, 0.3163,
0.3598

 0.3555, 0.0412,
0.9588

138.2047, 0.3160,
0.3573

 0.0000, 0.0000,
0.0000

172.8404, 0.3158,

0.3552

212.8272, 0.3156,
0.3534

■ 21.2397, 0.3181,
0.3834

■ 21.2397, 0.3181,
0.3834

■ 20.3702, 0.3202,
0.4130

■ 22.2261, 0.3156,
0.3561

■ 19.6105, 0.3218,
0.4444

■ 23.3308, 0.3130,
0.3314

■ 18.9571, 0.3226,
0.4764

■ 24.5586, 0.3103,
0.3094

■ 18.4048, 0.3224,
0.5076

■ 25.9132, 0.3076,
0.2898

■ 17.9484, 0.3211,
0.5363

■ 27.3981, 0.3050,
0.2726

■ 17.5819, 0.3185,
0.5604

■ 29.0167, 0.3025,
0.2575

■ 17.2987, 0.3150,
0.5784

■ 30.7723, 0.3001,
0.2442

■ 17.1035, 0.3117,
0.5907

■ 32.6681, 0.2979,
0.2325

■ 34.7071, 0.2958,
0.2222

Harmonies

Analogous

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



21.2397, 0.3500, 0.3879



21.2397, 0.3181, 0.3834



21.2397, 0.2859, 0.3616

Triad

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



21.2397, 0.3181, 0.3834



21.2397, 0.2555, 0.2809



21.2397, 0.3660, 0.3244

Complementary

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



21.2397, 0.3181, 0.3834



16.2309, 0.3058, 0.2775

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.



21.2397, 0.3383, 0.2992



21.2397, 0.3181, 0.3834



21.2397, 0.2746, 0.2745

Square

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



21.2397, 0.3181, 0.3834



21.2397, 0.2509, 0.3006



21.2397, 0.3045, 0.2813



21.2397, 0.3787, 0.3519

Rectangle

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



21.2397, 0.3181, 0.3834



21.2397, 0.2685, 0.3411



21.2397, 0.3045, 0.2813



21.2397, 0.3580, 0.3155

Sweetspot

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



21.2406, 0.3181, 0.3834



40.7495, 0.3144, 0.3437



20.8084, 0.3456, 0.3665



9.1572, 0.3145, 0.3450



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.



21.2406, 0.3181, 0.3834



37.3102, 0.3191, 0.3965



20.9370, 0.3035, 0.3713



5.2571, 0.3151, 0.3512



16.2959, 0.3119, 0.5906



0.0595, 0.3406, 0.5677

Inverse Universe

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



16.2309, 0.3058, 0.2775



26.7474, 0.3039, 0.2658



16.6087, 0.3235, 0.2901



4.7056, 0.3100, 0.3073



4.1773, 0.2599, 0.1205



0.0179, 0.2903, 0.1373

Previews

White Background



This preview shows how the Yxy color 21.2397, 0.3181, 0.3834 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 21.2397, 0.3181, 0.3834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

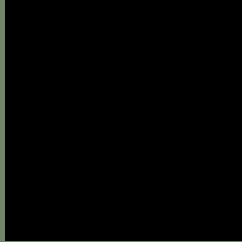
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2397, 0.3181, 0.3834

Background



This preview shows how black text looks on a background with the Yxy color 21.2397, 0.3181, 0.3834.



This preview shows how white text looks on a background with the Yxy color 21.2397, 0.3181, 0.3834.

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

21.2397, 0.3181, 0.3834

Protanopia

21.2889, 0.3512, 0.3742

Deuteranopia

21.0916, 0.3614, 0.3550



Tritanopia

21.0843, 0.2888, 0.3089

Trichromacy



Original Color

21.2397, 0.3181, 0.3834

Protanomaly

21.1918, 0.3392, 0.3773

Deuteranomaly

21.0306, 0.3456, 0.3653

Tritanomaly

21.1424, 0.2988, 0.3346

Monochromacy



Original Color

21.2397, 0.3181, 0.3834

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.4562, 0.3154, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2397, 0.3181, 0.3834 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(112, 133, 105)` looks like.

```
.text, #text, p{  
    color:rgb(112, 133, 105)  
}
```

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(112, 133, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 133, 105) }
```

Border

The CSS property to change the border of an element to Yxy 21.2397, 0.3181, 0.3834 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(112, 133, 105) }
```

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

```
.border{ border-color:rgb(112, 133, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 133, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 133, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 133, 105);  
box-shadow:4px 4px 4px 4px rgb(112, 133,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2397, 0.3181, 0.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 133, 105) }
```

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

```
.background{ background-color: rgb(112,  
133, 105) }
```

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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