

Converting Colors

$Y_{xy}(21.1970, 0.3298, 0.4009)$

Have a look what the booklet for
Yxy(21.1970, 0.3298, 0.4009)
contains.

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Color

Yxy(21.1970, 0.3298, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	728560
RGB	114, 133, 96
RGB Percent	45%, 52%, 38%
CMY	0.5530, 0.4784, 0.6235
CMYK	0.14, 0.00, 0.28, 0.48
HSL	91°, 16%, 45%
HSV	91°, 28%, 52%
XYZ	17.4377, 21.1970, 14.2388
YIQ	123.1010, 0.5530, -15.5350

Conversions

Conversions Part 2

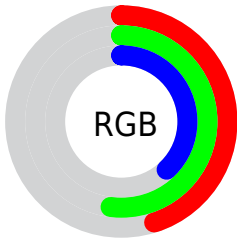
Format	Color
R_{YB}	96, 133, 115
Decimal	7505248
CIE _{Lab}	53.16, -14.01, 17.73
CIE _{LCh}	53, 22.601, 128.315
Yxy	21.1970, 0.3298, 0.4009
Android (android.graphics.Color)	4285695328 (0xFF728560)
YUV	123.1010, -13.3608, -7.9816
Hunter-Lab	46.0402, -12.9636, 13.8915

Details

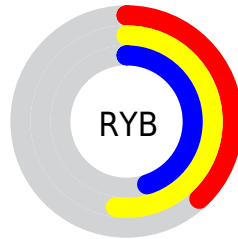
The Yxy color $21.1970, 0.3298, 0.4009$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.7054, 0.2911, 0.2575$, and the grayscale version is $19.8872, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.3314, 0.3261, 0.3835$, and $7.5321, 0.3347, 0.4326$ is the 20% darker color. If you saturate the color by 10%, you get $20.5321, 0.3352, 0.4296$, and if you desaturate by 10%, it is $21.9395, 0.3238, 0.3734$.

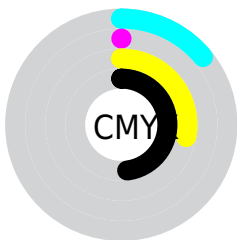
Distribution



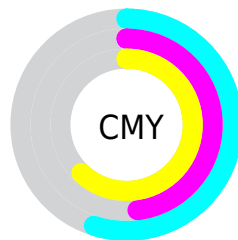
- Red (45%)
- Green (52%)
- Blue (38%)



- Red (38%)
- Yellow (52%)
- Blue (45%)



- Cyan (14%)
- Magenta (0%)
- Yellow (28%)
- Black (48%)





- Cyan (55%)
- Magenta (48%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1970, 0.3298, 0.4009 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 21.1970, 0.3298, 0.4009 by changing the saturation by 10% instead.


 21.1970, 0.3298,
0.4009


 21.1970, 0.3298,
0.4009


258.3236, 0.3209,
0.3591


 13.2681, 0.3320,
0.4139


 45.4152, 0.3265,
0.3840

 7.6134, 0.3347,
0.4324


 62.4732, 0.3253,
0.3782

 3.8486, 0.3378,
0.4609

 83.3431, 0.3242,
0.3735

 1.5892, 0.3537,
0.5305

 108.4091, 0.3234,
0.3696

 0.3503, 0.0000,
1.0000

138.0558, 0.3226,
0.3664

 0.0000, 0.0000,
0.0000

172.6676, 0.3219,

0.3636

212.6287, 0.3214,
0.3612

■ 21.1970, 0.3298,
0.4009

■ 21.1970, 0.3298,
0.4009

■ 20.5321, 0.3352,
0.4296

■ 21.9395, 0.3238,
0.3734

■ 19.9391, 0.3397,
0.4587

■ 22.7594, 0.3176,
0.3477

■ 19.4159, 0.3429,
0.4870

■ 23.6602, 0.3114,
0.3240

■ 18.9593, 0.3444,
0.5133

■ 24.6442, 0.3052,
0.3025

■ 18.5655, 0.3440,
0.5362

■ 25.7138, 0.2993,
0.2830

■ 18.2306, 0.3415,
0.5544

■ 26.8712, 0.2937,
0.2656

■ 17.9466, 0.3375,
0.5680

■ 28.1183, 0.2885,
0.2500

■ 17.8890, 0.3366,
0.5709

■ 29.4574, 0.2836,
0.2360

■ 30.8902, 0.2790,
0.2236

Harmonies

Analogous

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



21.1970, 0.3673, 0.3994



21.1970, 0.3298, 0.4009



21.1970, 0.2893, 0.3789

Triad

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



21.1970, 0.3298, 0.4009



21.1970, 0.2395, 0.2744



21.1970, 0.3710, 0.3142

Complementary

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



21.1970, 0.3298, 0.4009



13.7054, 0.2911, 0.2575

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.



21.1970, 0.3331, 0.2857



21.1970, 0.3298, 0.4009



21.1970, 0.2581, 0.2628

Square

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



21.1970, 0.3298, 0.4009



21.1970, 0.2389, 0.3021



21.1970, 0.2916, 0.2673



21.1970, 0.3927, 0.3474

Rectangle

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



21.1970, 0.3298, 0.4009



21.1970, 0.2660, 0.3545



21.1970, 0.2916, 0.2673



21.1970, 0.3596, 0.3039

Sweetspot

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



21.1979, 0.3298, 0.4009



40.6989, 0.3178, 0.3486



17.9800, 0.3613, 0.3637



9.1233, 0.3187, 0.3519



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.



21.1979, 0.3298, 0.4009



37.2353, 0.3331, 0.4178



20.1078, 0.3091, 0.4056



5.3076, 0.3184, 0.3510



17.0431, 0.3367, 0.5708



0.0634, 0.3708, 0.5438

Inverse Universe

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



13.7054, 0.2911, 0.2575



21.6368, 0.2853, 0.2409



15.0466, 0.3158, 0.2627



4.6534, 0.3066, 0.3071



2.7998, 0.2078, 0.0919



0.0140, 0.2557, 0.1183

Previews

White Background



This preview shows how the Yxy color 21.1970, 0.3298, 0.4009 looks on a white background.

Color Contrast Check

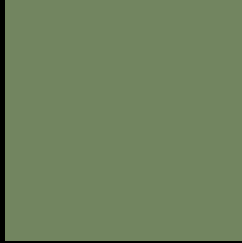
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1970, 0.3298, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

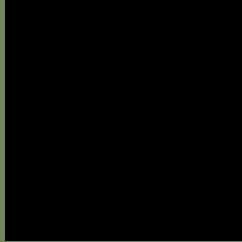
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1970, 0.3298, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 21.1970, 0.3298, 0.4009.



This preview shows how white text looks on a background with the Yxy color 21.1970, 0.3298, 0.4009.

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

21.1970, 0.3298, 0.4009

Protanopia

21.2033, 0.3629, 0.3903

Deuteranopia

21.0968, 0.3752, 0.3703



Tritanopia

21.2664, 0.2931, 0.3109

Trichromacy



Original Color

21.1970, 0.3298, 0.4009

Protanomaly

21.0979, 0.3506, 0.3940

Deuteranomaly

21.0190, 0.3587, 0.3814

Tritanomaly

21.2469, 0.3064, 0.3421

Monochromacy



Original Color

21.1970, 0.3298, 0.4009

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.3641, 0.3198, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1970, 0.3298, 0.4009 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(114, 133, 96)` looks like.

```
.text, #text, p{  
    color:rgb(114, 133, 96)  
}
```

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(114, 133, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 133, 96) }
```

Border

The CSS property to change the border of an element to Yxy 21.1970, 0.3298, 0.4009 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(114, 133, 96) }
```

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

```
.border{ border-color:rgb(114, 133, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 133, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 133, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 133, 96);  
box-shadow:4px 4px 4px 4px rgb(114, 133,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1970, 0.3298, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 133, 96) }
```

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

```
.background{ background-color: rgb(114,  
133, 96) }
```

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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