

Converting Colors

$Y_{xy}(22.8251, 0.3417, 0.4158)$

Have a look what the booklet for
Yxy(22.8251, 0.3417, 0.4158)
contains.

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Color

Yxy(22.7116, 0.3421, 0.4150)

Conversions

Conversions Part 1

Format	Color
Hex	79895B
RGB	121, 137, 91
RGB Percent	47%, 54%, 36%
CMY	0.5254, 0.4628, 0.6432
CMYK	0.12, 0.00, 0.34, 0.46
HSL	81°, 20%, 45%
HSV	81°, 34%, 54%
XYZ	18.7220, 22.7116, 13.2931
YIQ	126.9720, 5.2300, -17.6980

Conversions

Conversions Part 2

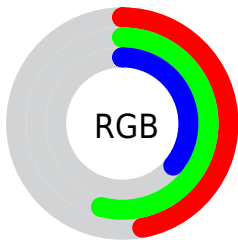
Format	Color
R_{YB}	91, 137, 107
Decimal	7965019
CIE _{Lab}	54.77, -14.14, 22.81
CIE _{LCh}	55, 26.835, 121.797
Yxy	22.7116, 0.3421, 0.4150
Android (android.graphics.Color)	4286155099 (0xFF79895B)
YUV	126.9720, -17.7342, -5.2374
Hunter-Lab	47.6567, -13.2751, 16.8216

Details

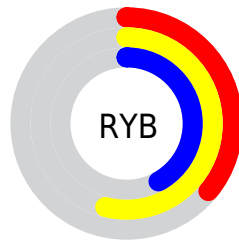
The Yxy color $22.7116, 0.3421, 0.4150$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $12.4108, 0.2751, 0.2385$, and the grayscale version is $21.2759, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7786, 0.3362, 0.3942$, and $8.3760, 0.3520, 0.4511$ is the 20% darker color. If you saturate the color by 10%, you get $22.1621, 0.3498, 0.4421$, and if you desaturate by 10%, it is $23.3232, 0.3336, 0.3881$.

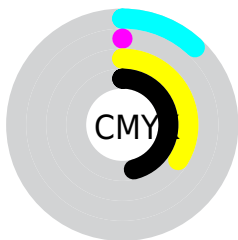
Distribution



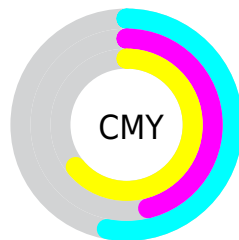
- Red (47%)
- Green (54%)
- Blue (36%)



- Red (36%)
- Yellow (54%)
- Blue (42%)



- Cyan (12%)
- Magenta (0%)
- Yellow (34%)
- Black (46%)





- Cyan (53%)
- Magenta (46%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7116, 0.3421, 0.4150 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 22.7116, 0.3421, 0.4150 by changing the saturation by 10% instead.


 22.7116, 0.3421,
0.4150


 22.7116, 0.3421,
0.4150


266.2402, 0.3267,
0.3656


 14.3807, 0.3460,
0.4299


 47.9193, 0.3364,
0.3953


 8.3859, 0.3507,
0.4508

 65.5650, 0.3343,
0.3884

 4.3429, 0.3562,
0.4820

 87.0843, 0.3325,
0.3828

 1.8671, 0.3813,
0.5626

 112.8617, 0.3310,
0.3782

 0.5285, 0.2292,
0.7708

143.2816, 0.3297,
0.3743

 0.0000, 0.0000,
0.0000

178.7284, 0.3285,

0.3710

219.5865, 0.3276,
0.3681

■ 22.7116, 0.3421,
0.4150

■ 22.7116, 0.3421,
0.4150

■ 22.1621, 0.3498,
0.4421

■ 23.3232, 0.3336,
0.3881

■ 21.6692, 0.3563,
0.4685

■ 23.9963, 0.3248,
0.3620

■ 21.2309, 0.3611,
0.4930


■ 24.7341, 0.3159,
0.3374

■ 20.8442, 0.3639,
0.5144


■ 25.5389, 0.3071,
0.3145

■ 20.5055, 0.3644,
0.5318


■ 26.4126, 0.2987,
0.2934


 20.2107, 0.3626,
0.5446

 27.3572, 0.2908,
0.2743

 20.0363, 0.3609,
0.5516

 28.3744, 0.2833,
0.2569

 29.4661, 0.2764,
0.2413

 30.6340, 0.2699,
0.2272

Harmonies

Analogous

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



22.7116, 0.3832, 0.4066



22.7116, 0.3421, 0.4150



22.7116, 0.2950, 0.3953

Triad

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



22.7116, 0.3421, 0.4150



22.7116, 0.2268, 0.2711



22.7116, 0.3720, 0.3039

Complementary

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



22.7116, 0.3421, 0.4150



12.4108, 0.2751, 0.2385

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.



22.7116, 0.3254, 0.2737



22.7116, 0.3421, 0.4150



22.7116, 0.2436, 0.2542

Square

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



22.7116, 0.3421, 0.4150



22.7116, 0.2305, 0.3062



22.7116, 0.2785, 0.2558



22.7116, 0.4024, 0.3410

Rectangle

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



22.7116, 0.3421, 0.4150



22.7116, 0.2666, 0.3686



22.7116, 0.2785, 0.2558



22.7116, 0.3575, 0.2928

Sweetspot

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



22.7126, 0.3421, 0.4150



43.4062, 0.3218, 0.3536



16.4493, 0.3781, 0.3576



9.7006, 0.3229, 0.3566



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7126, 0.3421, 0.4150



39.9462, 0.3478, 0.4348



21.2791, 0.3164, 0.4223



5.7595, 0.3208, 0.3509



18.6717, 0.3611, 0.5515



0.1322, 0.3887, 0.5296

Inverse Universe

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



12.4108, 0.2751, 0.2385



18.6667, 0.2648, 0.2163



13.9803, 0.3057, 0.2462



4.9712, 0.3041, 0.3068



2.2638, 0.1790, 0.0760



0.0226, 0.2268, 0.1023

Previews

White Background



This preview shows how the Yxy color 22.7116, 0.3421, 0.4150 looks on a white background.

Color Contrast Check

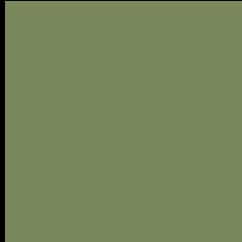
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7116, 0.3421, 0.4150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

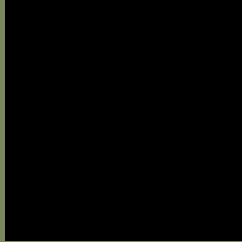
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7116, 0.3421, 0.4150

Background



This preview shows how black text looks on a background with the Yxy color 22.7116, 0.3421, 0.4150.



This preview shows how white text looks on a background with the Yxy color 22.7116, 0.3421, 0.4150.

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

22.7116, 0.3421, 0.4150

Protanopia

22.6880, 0.3741, 0.4035

Deuteranopia

22.4439, 0.3874, 0.3802



Tritanopia

22.7449, 0.2989, 0.3115

Trichromacy



Original Color

22.7116, 0.3421, 0.4150

Protanomaly

22.5647, 0.3618, 0.4078

Deuteranomaly

22.3305, 0.3709, 0.3915

Tritanomaly

22.5651, 0.3141, 0.3471

Monochromacy



Original Color

22.7116, 0.3421, 0.4150

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.8075, 0.3241, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7116, 0.3421, 0.4150 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(121, 137, 91)` looks like.

```
.text, #text, p{  
    color:rgb(121, 137, 91)  
}
```

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(121, 137, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 137, 91) }
```

Border

The CSS property to change the border of an element to Yxy 22.7116, 0.3421, 0.4150 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(121, 137, 91) }
```

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

```
.border{ border-color:rgb(121, 137, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 137, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 137, 91); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 137, 91); box-shadow:4px 4px 4px 4px rgb(121, 137, 91) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7116, 0.3421, 0.4150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 137, 91) }
```

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

```
.background{ background-color: rgb(121,  
137, 91) }
```

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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