

Converting Colors

$Y_{xy}(22.3169, 0.3718, 0.3884)$

Have a look what the booklet for
Yxy(22.3169, 0.3718, 0.3884)
contains.

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Color

Yxy(22.1758, 0.3716, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	90805E
RGB	144, 128, 94
RGB Percent	56%, 50%, 37%
CMY	0.4352, 0.4981, 0.6314
CMYK	0.00, 0.11, 0.35, 0.44
HSL	41°, 21%, 47%
HSV	41°, 35%, 56%
XYZ	21.2439, 22.1758, 13.7491
YIQ	128.9080, 20.4500, -7.1820

Conversions

Conversions Part 2

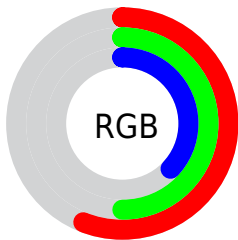
Format	Color
R_{YB}	118, 144, 94
Decimal	9470046
CIE Lab	54.21, 0.79, 20.72
CIE LCh	54, 20.734, 87.803
Yxy	22.1758, 0.3716, 0.3879
Android (android.graphics.Color)	4287660126 (0xFF90805E)
YUV	128.9080, -17.2096, 13.2357
Hunter-Lab	47.0912, -1.8840, 15.6531

Details

The Yxy color $22.1758, 0.3716, 0.3879$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.5506, 0.2565, 0.2619$, and the grayscale version is $21.9763, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.2342, 0.3588, 0.3750$, and $8.1244, 0.3953, 0.4105$ is the 20% darker color. If you saturate the color by 10%, you get $20.7655, 0.3912, 0.4048$, and if you desaturate by 10%, it is $23.6911, 0.3529, 0.3705$.

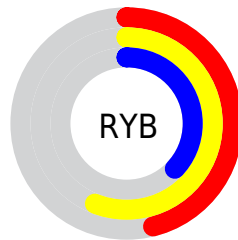
Distribution



Red (56%)

Green (50%)

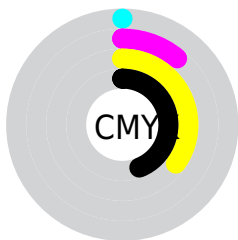
Blue (37%)



Red (46%)

Yellow (56%)

Blue (37%)

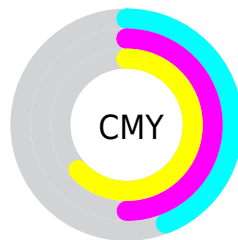


Cyan (0%)

Magenta (11%)

Yellow (35%)

Black (44%)



Cyan (44%)


Magenta (50%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1758, 0.3716, 0.3879 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 22.1758, 0.3716, 0.3879 by changing the saturation by 10% instead.


 22.1758, 0.3716,
0.3879


 22.1758, 0.3716,
0.3879


263.4630, 0.3388,
0.3552


 13.9861, 0.3810,
0.3972


 47.0364, 0.3588,
0.3752


 8.1110, 0.3938,
0.4098


 64.4761, 0.3542,
0.3707

 4.1661, 0.4120,
0.4275

 85.7679, 0.3505,
0.3669

 1.7669, 0.4571,
0.4722

 111.2963, 0.3474,
0.3638

 0.4664, 0.4980,
0.5020

141.4456, 0.3447,
0.3612

 0.0000, 0.0000,
0.0000

176.6002, 0.3425,

0.3589

217.1445, 0.3405,
0.3569

■ 22.1758, 0.3716,
0.3879

■ 22.1758, 0.3716,
0.3879

■ 20.7655, 0.3912,
0.4048

■ 23.6911, 0.3529,
0.3705

■ 19.4538, 0.4114,
0.4204

■ 25.3116, 0.3356,
0.3533

■ 18.2380, 0.4313,
0.4338

■ 27.0412, 0.3197,
0.3366

■ 17.1141, 0.4501,
0.4438

■ 28.8829, 0.3053,
0.3208

■ 16.0774, 0.4669,
0.4497

■ 30.8393, 0.2924,
0.3060

■ 15.1224, 0.4810,
0.4508

■ 32.9130, 0.2808,
0.2923

■ 14.6450, 0.4881,
0.4506

■ 35.1066, 0.2704,
0.2796

■ 37.4225, 0.2612,
0.2679

■ 39.8629, 0.2530,
0.2573

Harmonies

Analogous

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



22.1758, 0.3864, 0.3651



22.1758, 0.3716, 0.3879



22.1758, 0.3412, 0.3957

Triad

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



22.1758, 0.3716, 0.3879



22.1758, 0.2494, 0.3165



22.1758, 0.3179, 0.2824

Complementary

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



22.1758, 0.3716, 0.3879



15.5506, 0.2565, 0.2619

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.



22.1758, 0.2818, 0.2698



22.1758, 0.3716, 0.3879



22.1758, 0.2440, 0.2870

Square

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



22.1758, 0.3716, 0.3879



22.1758, 0.2709, 0.3526



22.1758, 0.2554, 0.2709



22.1758, 0.3546, 0.3058

Rectangle

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



22.1758, 0.3716, 0.3879



22.1758, 0.3166, 0.3895



22.1758, 0.2554, 0.2709



22.1758, 0.3053, 0.2768

Sweetspot

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



22.1768, 0.3716, 0.3879



45.9856, 0.3282, 0.3456



15.0765, 0.3648, 0.2996



10.4581, 0.3302, 0.3477



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.1768, 0.3716, 0.3879



37.0657, 0.3875, 0.4017



25.9695, 0.3536, 0.4155



5.9980, 0.3266, 0.3439



12.7922, 0.4876, 0.4510



0.1622, 0.4507, 0.4804

Inverse Universe

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



15.5506, 0.2565, 0.2619



23.5165, 0.2422, 0.2429



12.8633, 0.2621, 0.2316



5.5195, 0.2990, 0.3136



3.5029, 0.1636, 0.1090



0.0700, 0.1862, 0.1901

Previews

White Background



This preview shows how the Yxy color 22.1758, 0.3716, 0.3879 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 22.1758, 0.3716, 0.3879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

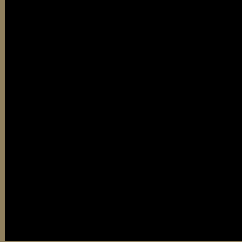
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1758, 0.3716, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 22.1758, 0.3716, 0.3879.



This preview shows how white text looks on a background with the Yxy color 22.1758, 0.3716, 0.3879.

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

22.1758, 0.3716, 0.3879

Protanopia

22.2805, 0.3630, 0.3908

Deuteranopia

22.1116, 0.3856, 0.3772



Tritanopia

22.1553, 0.3318, 0.3124

Trichromacy



Original Color

22.1758, 0.3716, 0.3879

Protanomaly

22.1895, 0.3660, 0.3886

Deuteranomaly

21.9775, 0.3798, 0.3798

Tritanomaly

22.2022, 0.3468, 0.3393

Monochromacy



Original Color

22.1758, 0.3716, 0.3879

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0298, 0.3331, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1758, 0.3716, 0.3879 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(144, 128, 94)` looks like.

```
.text, #text, p{  
    color:rgb(144, 128, 94)  
}
```

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(144, 128, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 128, 94) }
```

Border

The CSS property to change the border of an element to Yxy 22.1758, 0.3716, 0.3879 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(144, 128, 94) }
```

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

```
.border{ border-color:rgb(144, 128, 94) }
```

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

Here you see how a box with a 4 pixel rgb(144, 128, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 128, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 128, 94);  
box-shadow:4px 4px 4px 4px rgb(144, 128,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1758, 0.3716, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 128, 94) }
```

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

```
.background{ background-color: rgb(144,  
128, 94) }
```

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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