

Converting Colors

$Y_{xy}(22.7255, 0.3412, 0.3697)$

Have a look what the booklet for
Yxy(22.7255, 0.3412, 0.3697)
contains.

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Color

Yxy(22.7576, 0.3414, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	87846D
RGB	135, 132, 109
RGB Percent	53%, 52%, 43%
CMY	0.4707, 0.4823, 0.5726
CMYK	0.00, 0.02, 0.19, 0.47
HSL	53°, 11%, 48%
HSV	53°, 19%, 53%
XYZ	20.9985, 22.7576, 17.7509
YIQ	130.2750, 9.1710, -6.5170

Conversions

Conversions Part 2

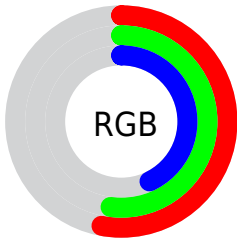
Format	Color
R_{YB}	112, 135, 109
Decimal	8881261
CIE Lab	54.82, -3.00, 12.85
CIE LCh	55, 13.195, 103.151
Yxy	22.7576, 0.3414, 0.3700
Android (android.graphics.Color)	4287071341 (0xFF87846D)
YUV	130.2750, -10.4886, 4.1438
Hunter-Lab	47.7049, -4.9124, 11.3317

Details

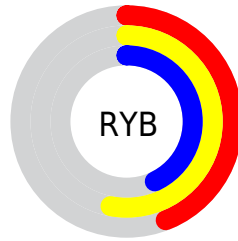
The Yxy color $22.7576, 0.3414, 0.3700$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $16.5738, 0.2825, 0.2844$, and the grayscale version is $22.4597, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.9625, 0.3345, 0.3603$, and $8.4547, 0.3527, 0.3882$ is the 20% darker color. If you saturate the color by 10%, you get $22.0774, 0.3571, 0.3918$, and if you desaturate by 10%, it is $23.4906, 0.3261, 0.3484$.

Distribution



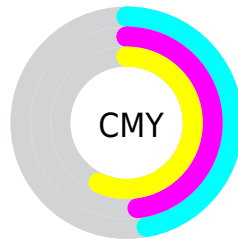
- Red (53%)
- Green (52%)
- Blue (43%)



- Red (44%)
- Yellow (53%)
- Blue (43%)



- Cyan (0%)
- Magenta (2%)
- Yellow (19%)
- Black (47%)





- Cyan (47%)
- Magenta (48%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7576, 0.3414, 0.3700 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 22.7576, 0.3414, 0.3700 by changing the saturation by 10% instead.


 22.7576, 0.3414,
0.3700


 22.7576, 0.3414,
0.3700


266.4775, 0.3255,
0.3469


 14.4146, 0.3460,
0.3768


 47.9950, 0.3352,
0.3609


 8.4096, 0.3523,
0.3863

 65.6582, 0.3330,
0.3577

 4.3581, 0.3614,
0.4004

 87.1970, 0.3312,
0.3551

 1.8759, 0.3759,
0.4235

 112.9956, 0.3297,
0.3529

 0.5338, 0.4485,
0.5515

143.4386, 0.3284,
0.3511

 0.0000, 0.0000,
0.0000

178.9104, 0.3273,

0.3495

219.7952, 0.3263,
0.3481

■ 22.7576, 0.3414,
0.3700

■ 22.7576, 0.3414,
0.3700

■ 22.0774, 0.3571,
0.3918

■ 23.4906, 0.3261,
0.3484

■ 21.4448, 0.3729,
0.4132

■ 24.2753, 0.3117,
0.3275

■ 20.8587, 0.3882,
0.4333

■ 25.1144, 0.2981,
0.3076

■ 20.3166, 0.4025,
0.4513

■ 26.0098, 0.2855,
0.2889

■ 19.8160, 0.4152,
0.4662

■ 26.9630, 0.2740,
0.2717

■ 19.3538, 0.4257,
0.4774

■ 27.9756, 0.2636,
0.2558

■ 18.9265, 0.4337,
0.4845

■ 29.0491, 0.2541,
0.2412

■ 18.5251, 0.4397,
0.4884

■ 30.1849, 0.2456,
0.2279

■ 18.4951, 0.4402,
0.4887

■ 31.3845, 0.2378,
0.2158

Harmonies

Analogous

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



22.7576, 0.3560, 0.3608



22.7576, 0.3414, 0.3700



22.7576, 0.3194, 0.3677

Triad

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



22.7576, 0.3414, 0.3700



22.7576, 0.2688, 0.3113



22.7576, 0.3285, 0.3060

Complementary

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



22.7576, 0.3414, 0.3700



16.5738, 0.2825, 0.2844

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.



22.7576, 0.3047, 0.2937



22.7576, 0.3414, 0.3700



22.7576, 0.2709, 0.2960

Square

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



22.7576, 0.3414, 0.3700



22.7576, 0.2779, 0.3326



22.7576, 0.2838, 0.2900



22.7576, 0.3485, 0.3240

Rectangle

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



22.7576, 0.3414, 0.3700



22.7576, 0.3037, 0.3595



22.7576, 0.2838, 0.2900



22.7576, 0.3206, 0.3011

Sweetspot

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



22.7586, 0.3414, 0.3700



42.5185, 0.3215, 0.3418



17.2535, 0.3446, 0.3235



9.8294, 0.3223, 0.3429



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.



22.7586, 0.3414, 0.3700



40.2476, 0.3481, 0.3793



22.7824, 0.3287, 0.3767



5.3352, 0.3260, 0.3481



17.0767, 0.4401, 0.4888



0.0655, 0.4288, 0.4977

Inverse Universe

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



16.5738, 0.2825, 0.2844



27.1018, 0.2750, 0.2731



16.6017, 0.2944, 0.2803



4.6235, 0.2992, 0.3092



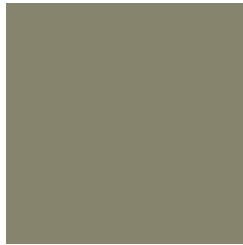
1.9481, 0.1531, 0.0710



0.0119, 0.1652, 0.1146

Previews

White Background



This preview shows how the Yxy color 22.7576, 0.3414, 0.3700 looks on a white background.

Color Contrast Check

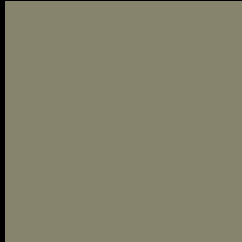
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7576, 0.3414, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

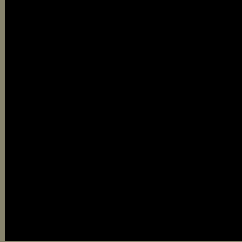
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

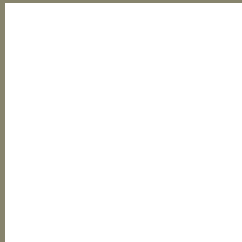
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.7576, 0.3414, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 22.7576, 0.3414, 0.3700.

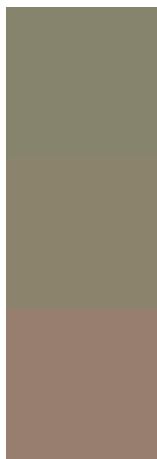


This preview shows how white text looks on a background with the Yxy color 22.7576, 0.3414, 0.3700.

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

22.7576, 0.3414, 0.3700

Protanopia

22.8043, 0.3478, 0.3694

Deuteranopia

22.6268, 0.3624, 0.3559



Tritanopia

22.7623, 0.3147, 0.3120

Trichromacy



Original Color

22.7576, 0.3414, 0.3700

Protanomaly

22.7186, 0.3466, 0.3696

Deuteranomaly

22.5839, 0.3540, 0.3600

Tritanomaly

22.6361, 0.3255, 0.3325

Monochromacy



Original Color

22.7576, 0.3414, 0.3700

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.5433, 0.3236, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7576, 0.3414, 0.3700 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(135, 132, 109)` looks like.

```
.text, #text, p{  
    color:rgb(135, 132, 109)  
}
```

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(135, 132, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 132, 109) }
```

Border

The CSS property to change the border of an element to Yxy 22.7576, 0.3414, 0.3700 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(135, 132, 109) }
```

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

```
.border{ border-color:rgb(135, 132, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 132, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 132, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 132, 109);  
box-shadow:4px 4px 4px 4px rgb(135, 132,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7576, 0.3414, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 132, 109) }
```

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

```
.background{ background-color: rgb(135,  
132, 109) }
```

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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