

Converting Colors

$Y_{xy}(21.9371, 0.3745, 0.3932)$

Have a look what the booklet for
Yxy(21.9371, 0.3745, 0.3932)
contains.

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Color

Yxy(22.0333, 0.3737, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	8F805B
RGB	143, 128, 91
RGB Percent	56%, 50%, 36%
CMY	0.4392, 0.4980, 0.6430
CMYK	0.00, 0.10, 0.36, 0.44
HSL	43°, 22%, 46%
HSV	43°, 36%, 56%
XYZ	20.9353, 22.0333, 13.0530
YIQ	128.2670, 20.8170, -8.3270

Conversions

Conversions Part 2

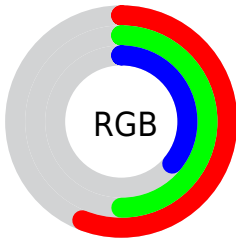
Format	Color
RYB	112, 143, 91
Decimal	9404507
CIELab	54.06, -0.03, 22.18
CIELCh	54, 22.181, 90.083
Yxy	22.0333, 0.3737, 0.3933
Android (android.graphics.Color)	4287594587 (0xFF8F805B)
YUV	128.2670, -18.3726, 12.9208
Hunter-Lab	46.9396, -2.5326, 16.3703

Details

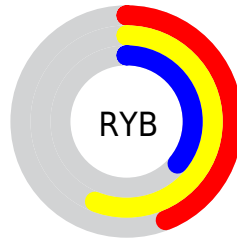
The Yxy color $22.0333, 0.3737, 0.3933$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $14.5202, 0.2533, 0.2548$, and the grayscale version is $21.7446, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.9766, 0.3613, 0.3803$, and $8.0567, 0.3966, 0.4159$ is the 20% darker color. If you saturate the color by 10%, you get $20.7562, 0.3928, 0.4107$, and if you desaturate by 10%, it is $23.4032, 0.3553, 0.3752$.

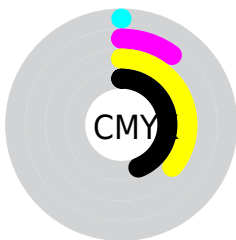
Distribution



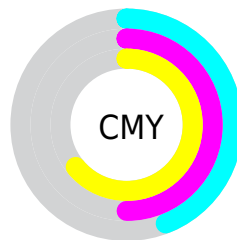
- Red (56%)
- Green (50%)
- Blue (36%)



- Red (44%)
- Yellow (56%)
- Blue (36%)



- Cyan (0%)
- Magenta (10%)
- Yellow (36%)
- Black (44%)





- Cyan (44%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0333, 0.3737, 0.3933 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 22.0333, 0.3737, 0.3933 by changing the saturation by 10% instead.


 22.0333, 0.3737,
0.3933


 22.0333, 0.3737,
0.3933


262.7201, 0.3398,
0.3575


 13.8814, 0.3834,
0.4035


 46.8010, 0.3605,
0.3794

 8.0382, 0.3964,
0.4172


 64.1856, 0.3558,
0.3744

 4.1194, 0.4147,
0.4366

 85.4165, 0.3519,
0.3703

 1.7406, 0.4672,
0.4920

 110.8782, 0.3487,
0.3669

 0.4497, 0.4868,
0.5132

140.9550, 0.3460,
0.3640

 0.0000, 0.0000,
0.0000

176.0313, 0.3436,

0.3616

216.4916, 0.3415,
0.3594

■ 22.0333, 0.3737,
0.3933

■ 22.0333, 0.3737,
0.3933

■ 20.7562, 0.3928,
0.4107

■ 23.4032, 0.3553,
0.3752

■ 19.5657, 0.4120,
0.4266

■ 24.8659, 0.3381,
0.3572

■ 18.4593, 0.4307,
0.4401

■ 26.4251, 0.3221,
0.3397

■ 17.4331, 0.4480,
0.4500

■ 28.0835, 0.3075,
0.3230

■ 16.4829, 0.4630,
0.4557

■ 29.8436, 0.2943,
0.3073

■ 15.6021, 0.4754,
0.4570

■ 31.7077, 0.2825,
0.2927

■ 15.2922, 0.4799,
0.4572

■ 33.6783, 0.2718,
0.2793

■ 35.7575, 0.2623,
0.2669

■ 37.9474, 0.2538,
0.2556

Harmonies

Analogous

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



22.0333, 0.3913, 0.3695



22.0333, 0.3737, 0.3933



22.0333, 0.3401, 0.4004

Triad

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



22.0333, 0.3737, 0.3933



22.0333, 0.2440, 0.3126



22.0333, 0.3213, 0.2809

Complementary

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



22.0333, 0.3737, 0.3933



14.5202, 0.2533, 0.2548

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.



22.0333, 0.2822, 0.2664



22.0333, 0.3737, 0.3933



22.0333, 0.2397, 0.2820

Square

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



22.0333, 0.3737, 0.3933



22.0333, 0.2657, 0.3514



22.0333, 0.2531, 0.2662



22.0333, 0.3602, 0.3064

Rectangle

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



22.0333, 0.3737, 0.3933



22.0333, 0.3137, 0.3927



22.0333, 0.2531, 0.2662



22.0333, 0.3077, 0.2746

Sweetspot

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



22.0343, 0.3737, 0.3933



45.9401, 0.3298, 0.3482



14.3795, 0.3709, 0.3013



10.4588, 0.3317, 0.3503



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.



22.0343, 0.3737, 0.3933



37.4881, 0.3901, 0.4083



25.3529, 0.3533, 0.4201



6.0262, 0.3265, 0.3446



13.5594, 0.4795, 0.4574



0.1675, 0.4468, 0.4834

Inverse Universe

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



14.5202, 0.2533, 0.2548



21.9136, 0.2379, 0.2336



12.2610, 0.2615, 0.2271



5.4927, 0.2990, 0.3129



3.2035, 0.1615, 0.1013



0.0647, 0.1834, 0.1800

Previews

White Background



This preview shows how the Yxy color 22.0333, 0.3737, 0.3933 looks on a white background.

Color Contrast Check

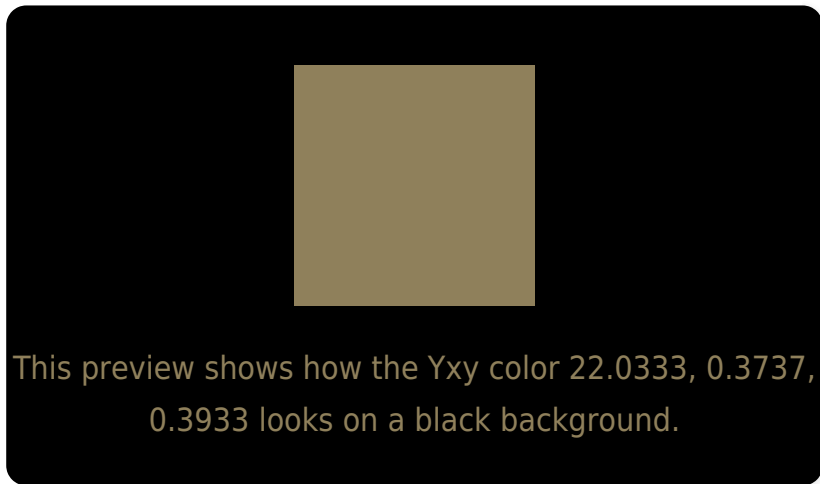
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

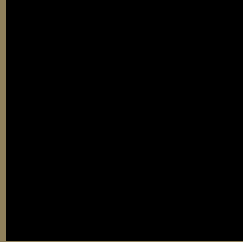
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0333, 0.3737, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 22.0333, 0.3737, 0.3933.

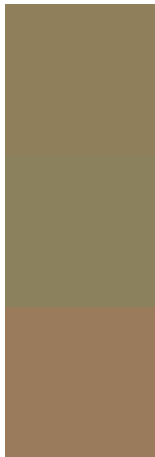


This preview shows how white text looks on a background with the Yxy color 22.0333, 0.3737, 0.3933.

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

22.0333, 0.3737, 0.3933

Protanopia

21.9622, 0.3669, 0.3944

Deuteranopia

22.0580, 0.3892, 0.3821



Tritanopia

22.1278, 0.3330, 0.3141

Trichromacy



Original Color

22.0333, 0.3737, 0.3933

Protanomaly

22.0487, 0.3682, 0.3941

Deuteranomaly

21.9240, 0.3834, 0.3848

Tritanomaly

22.0626, 0.3480, 0.3428

Monochromacy



Original Color

22.0333, 0.3737, 0.3933

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.6627, 0.3333, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0333, 0.3737, 0.3933 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(143, 128, 91)` looks like.

```
.text, #text, p{  
    color:rgb(143, 128, 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(143, 128, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 128, 91) }
```

Border

The CSS property to change the border of an element to Yxy 22.0333, 0.3737, 0.3933 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(143, 128, 91) }
```

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

```
.border{ border-color:rgb(143, 128, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 128, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 128, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 128, 91);  
box-shadow:4px 4px 4px 4px rgb(143, 128,  
91) }
```


Background

The CSS property to change the background color of an element to `rgb(22.0333, 0.3737, 0.3933)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 128, 91) }
```

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

```
.background{ background-color: rgb(143,  
128, 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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