

Converting Colors

$Y_{xy}(22.7834, 0.3681, 0.4385)$

Have a look what the booklet for
Yxy(22.7834, 0.3681, 0.4385)
contains.

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Color

Yxy(22.7834, 0.3681, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	81884B
RGB	129, 136, 75
RGB Percent	51%, 53%, 29%
CMY	0.4942, 0.4666, 0.7058
CMYK	0.05, 0.00, 0.45, 0.47
HSL	67°, 29%, 41%
HSV	67°, 45%, 53%
XYZ	19.1256, 22.7834, 10.0486
YIQ	126.9530, 15.4090, -20.4550

Conversions

Conversions Part 2

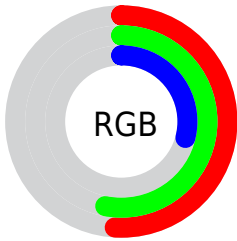
Format	Color
R_{YB}	75, 136, 82
Decimal	8489035
CIE Lab	54.85, -12.39, 31.77
CIE LCh	55, 34.100, 111.297
Yxy	22.7834, 0.3681, 0.4385
Android (android.graphics.Color)	4286679115 (0xFF81884B)
YUV	126.9530, -25.6128, 1.7952
Hunter-Lab	47.7320, -12.0083, 20.9306

Details

The Yxy color **22.7834, 0.3681, 0.4385** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.6077, 0.2403, 0.1981**, and the grayscale version is **21.2920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9431, 0.3576, 0.4139**, and **8.3591, 0.3839, 0.4805** is the 20% darker color. If you saturate the color by 10%, you get **22.4959, 0.3785, 0.4609**, and if you desaturate by 10%, it is **23.1147, 0.3565, 0.4144**.

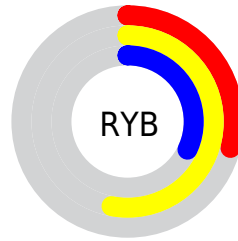
Distribution



Red (51%)

Green (53%)

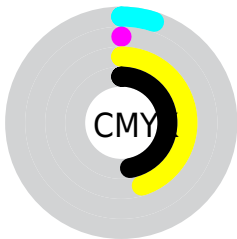
Blue (29%)



Red (29%)

Yellow (53%)

Blue (32%)

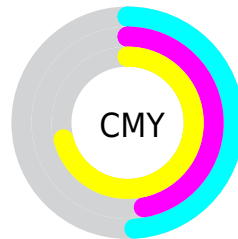


Cyan (5%)

Magenta (0%)

Yellow (45%)

Black (47%)



Cyan (49%)

Magenta (47%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7834, 0.3681, 0.4385 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 22.7834, 0.3681, 0.4385 by changing the saturation by 10% instead.

■ 22.7834, 0.3681,
0.4385

■ 22.7834, 0.3681,
0.4385

■ 266.6105, 0.3390,
0.3765

■ 14.4337, 0.3752,
0.4564

■ 48.0374, 0.3574,
0.4141

■ 8.4229, 0.3837,
0.4807

■ 65.7105, 0.3534,
0.4055

■ 4.3667, 0.3935,
0.5152

■ 87.2601, 0.3500,
0.3985

■ 1.8807, 0.4148,
0.5852

■ 113.0707, 0.3472,
0.3926

■ 0.5368, 0.2791,
0.7209

■ 143.5267, 0.3447,
0.3876

■ 0.0000, 0.0000,
0.0000

179.0123, 0.3425,

0.3834

219.9122, 0.3406,
0.3797

■ 22.7834, 0.3681,
0.4385

■ 22.7834, 0.3681,
0.4385

■ 22.4959, 0.3785,
0.4609

■ 23.1147, 0.3565,
0.4144

■ 22.2464, 0.3871,
0.4806

■ 23.4890, 0.3441,
0.3895

■ 22.0333, 0.3935,
0.4969

■ 23.9095, 0.3313,
0.3646

■ 21.8531, 0.3975,
0.5091

■ 24.3783, 0.3187,
0.3404

■ 21.7014, 0.3992,
0.5172

■ 24.8972, 0.3065,
0.3172

■ 21.6279, 0.3997,
0.5208

■ 25.4680, 0.2948,
0.2955

■ 26.0924, 0.2838,
0.2754

■ 26.7720, 0.2736,
0.2569

■ 27.5084, 0.2642,
0.2401

Harmonies

Analogous

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



22.7834, 0.4142, 0.4145



22.7834, 0.3681, 0.4385



22.7834, 0.3096, 0.4282

Triad

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



22.7834, 0.3681, 0.4385



22.7834, 0.2050, 0.2680



22.7834, 0.3682, 0.2830

Complementary

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



22.7834, 0.3681, 0.4385



8.6077, 0.2403, 0.1981

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.



22.7834, 0.3064, 0.2509



22.7834, 0.3681, 0.4385



22.7834, 0.2168, 0.2401

Square

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



22.7834, 0.3681, 0.4385



22.7834, 0.2178, 0.3186



22.7834, 0.2520, 0.2353



22.7834, 0.4167, 0.3258

Rectangle

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



22.7834, 0.3681, 0.4385



22.7834, 0.2717, 0.3998



22.7834, 0.2520, 0.2353



22.7834, 0.3480, 0.2708

Sweetspot

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



22.7844, 0.3681, 0.4385



42.2536, 0.3294, 0.3608



11.6450, 0.4207, 0.3408



9.7495, 0.3319, 0.3656



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.



22.7844, 0.3681, 0.4385



39.6238, 0.3788, 0.4616



20.7947, 0.3324, 0.4528



5.8162, 0.3241, 0.3507



20.4700, 0.3998, 0.5208



0.1398, 0.4100, 0.5126

Inverse Universe

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



8.6077, 0.2403, 0.1981



11.2775, 0.2203, 0.1637



10.2313, 0.2810, 0.2115



4.9181, 0.3007, 0.3065



1.7863, 0.1555, 0.0630



0.0150, 0.1785, 0.0757

Previews

White Background



This preview shows how the Yxy color 22.7834, 0.3681, 0.4385 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 22.7834, 0.3681, 0.4385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

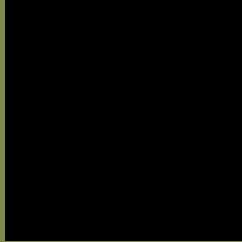
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7834, 0.3681, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 22.7834, 0.3681, 0.4385.



This preview shows how white text looks on a background with the Yxy color 22.7834, 0.3681, 0.4385.

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

22.7834, 0.3681, 0.4385

Protanopia

22.6429, 0.3925, 0.4269

Deuteranopia

22.5882, 0.4112, 0.4037



Tritanopia

22.7988, 0.3101, 0.3119

Trichromacy



Original Color

22.7834, 0.3681, 0.4385

Protanomaly

22.7584, 0.3837, 0.4308

Deuteranomaly

22.5322, 0.3950, 0.4159

Tritanomaly

22.7500, 0.3312, 0.3575

Monochromacy



Original Color

22.7834, 0.3681, 0.4385

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.6372, 0.3346, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7834, 0.3681, 0.4385 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(129, 136, 75)` looks like.

```
.text, #text, p{  
    color:rgb(129, 136, 75)  
}
```

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(129, 136, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 136, 75) }
```

Border

The CSS property to change the border of an element to Yxy 22.7834, 0.3681, 0.4385 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(129, 136, 75) }
```

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

```
.border{ border-color:rgb(129, 136, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 136, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 136, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 136, 75);  
box-shadow:4px 4px 4px 4px rgb(129, 136,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7834, 0.3681, 0.4385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 136, 75) }
```

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

```
.background{ background-color: rgb(129,  
136, 75) }
```

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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