

Converting Colors

$Y_{xy}(22.6060, 0.3292, 0.4070)$

Have a look what the booklet for
Yxy(22.6060, 0.3292, 0.4070)
contains.

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Color

$\text{Yxy}(22.6849, 0.3287, 0.4071)$

Conversions

Conversions Part 1

Format	Color
Hex	738A61
RGB	115, 138, 97
RGB Percent	45%, 54%, 38%
CMY	0.5490, 0.4588, 0.6196
CMYK	0.17, 0.00, 0.30, 0.46
HSL	94°, 17%, 46%
HSV	94°, 30%, 54%
XYZ	18.3162, 22.6849, 14.7221
YIQ	126.4490, -0.5470, -17.6270

Conversions

Conversions Part 2

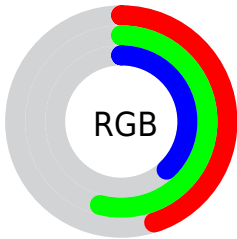
Format	Color
RYB	97, 138, 120
Decimal	7572065
CIELab	54.75, -16.14, 19.32
CIELCh	55, 25.177, 129.864
Yxy	22.6849, 0.3287, 0.4071
Android (android.graphics.Color)	4285762145 (0xFF738A61)
YUV	126.4490, -14.5184, -10.0408
Hunter-Lab	47.6287, -14.7057, 15.0135

Details

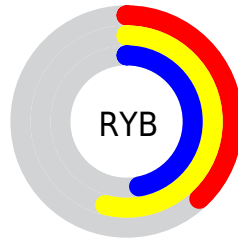
The Yxy color $22.6849, 0.3287, 0.4071$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.3777, 0.2917, 0.2525$, and the grayscale version is $21.0760, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.0529, 0.3253, 0.3895$, and $8.3680, 0.3326, 0.4409$ is the 20% darker color. If you saturate the color by 10%, you get $21.9474, 0.3332, 0.4365$, and if you desaturate by 10%, it is $23.5133, 0.3236, 0.3789$.

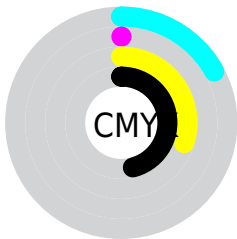
Distribution



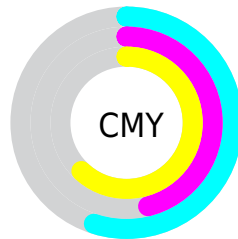
- Red (45%)
- Green (54%)
- Blue (38%)



- Red (38%)
- Yellow (54%)
- Blue (47%)



- Cyan (17%)
- Magenta (0%)
- Yellow (30%)
- Black (46%)





- Cyan (55%)
- Magenta (46%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6849, 0.3287, 0.4071 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 22.6849, 0.3287, 0.4071 by changing the saturation by 10% instead.


 22.6849, 0.3287,
0.4071


 22.6849, 0.3287,
0.4071


266.1024, 0.3206,
0.3620


 14.3610, 0.3306,
0.4209


 47.8754, 0.3258,
0.3890

 8.3722, 0.3327,
0.4405


 65.5108, 0.3247,
0.3827

 4.3340, 0.3347,
0.4702

 87.0189, 0.3238,
0.3777

 1.8621, 0.3438,
0.5339

 112.7840, 0.3230,
0.3735

 0.5254, 0.1672,
0.8328

143.1905, 0.3223,
0.3699

 0.0000, 0.0000,
0.0000

178.6228, 0.3216,

0.3669

219.4653, 0.3211,
0.3643

■ 22.6849, 0.3287,
0.4071

■ 22.6849, 0.3287,
0.4071

■ 21.9474, 0.3332,
0.4365

■ 23.5133, 0.3236,
0.3789

■ 21.2944, 0.3367,
0.4663

■ 24.4327, 0.3181,
0.3526

■ 20.7232, 0.3389,
0.4952

■ 25.4473, 0.3126,
0.3283

■ 20.2299, 0.3395,
0.5217

■ 26.5598, 0.3071,
0.3064

■ 19.8102, 0.3381,
0.5444

■ 27.7730, 0.3018,
0.2866

■ 19.4589, 0.3348,
0.5621

■ 29.0895, 0.2967,
0.2689

■ 19.1647, 0.3304,
0.5755

■ 30.5120, 0.2919,
0.2531

■ 19.1569, 0.3303,
0.5759

■ 32.0427, 0.2874,
0.2391

■ 33.6840, 0.2833,
0.2267

Harmonies

Analogous

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



22.6849, 0.3700, 0.4063



22.6849, 0.3287, 0.4071



22.6849, 0.2849, 0.3818

Triad

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



22.6849, 0.3287, 0.4071



22.6849, 0.2341, 0.2685



22.6849, 0.3780, 0.3145

Complementary

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



22.6849, 0.3287, 0.4071



14.3777, 0.2917, 0.2525

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.



22.6849, 0.3371, 0.2835



22.6849, 0.3287, 0.4071



22.6849, 0.2549, 0.2572

Square

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



22.6849, 0.3287, 0.4071



22.6849, 0.2323, 0.2975



22.6849, 0.2918, 0.2630



22.6849, 0.4004, 0.3504

Rectangle

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



22.6849, 0.3287, 0.4071



22.6849, 0.2602, 0.3545



22.6849, 0.2918, 0.2630



22.6849, 0.3658, 0.3034

Sweetspot

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



22.6859, 0.3287, 0.4071



43.1533, 0.3178, 0.3512



19.5920, 0.3644, 0.3699



9.6302, 0.3185, 0.3545



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.



22.6859, 0.3287, 0.4071



39.0510, 0.3320, 0.4278



21.6212, 0.3069, 0.4077



5.7086, 0.3178, 0.3511



17.5715, 0.3306, 0.5757



0.1252, 0.3652, 0.5482

Inverse Universe

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



14.3777, 0.2917, 0.2525



21.8351, 0.2854, 0.2328



15.7291, 0.3188, 0.2612



5.0215, 0.3072, 0.3070



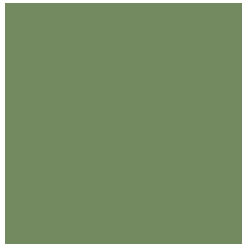
3.1539, 0.2173, 0.0971



0.0296, 0.2632, 0.1224

Previews

White Background



This preview shows how the Yxy color 22.6849, 0.3287, 0.4071 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 22.6849, 0.3287, 0.4071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

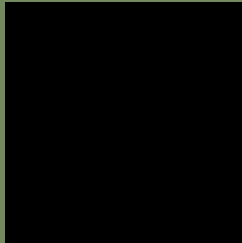
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6849, 0.3287, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 22.6849, 0.3287, 0.4071.



This preview shows how white text looks on a background with the Yxy color 22.6849, 0.3287, 0.4071.

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

22.6849, 0.3287, 0.4071

Protanopia

22.7035, 0.3662, 0.3936

Deuteranopia

22.4574, 0.3789, 0.3706



Tritanopia

22.6233, 0.2905, 0.3095

Trichromacy



Original Color

22.6849, 0.3287, 0.4071

Protanomaly

22.7820, 0.3524, 0.3993

Deuteranomaly

22.4416, 0.3597, 0.3835

Tritanomaly

22.4785, 0.3042, 0.3437

Monochromacy



Original Color

22.6849, 0.3287, 0.4071

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.3406, 0.3196, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6849, 0.3287, 0.4071 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(115, 138, 97)` looks like.

```
.text, #text, p{  
    color:rgb(115, 138, 97)  
}
```

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(115, 138, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 138, 97) }
```

Border

The CSS property to change the border of an element to Yxy 22.6849, 0.3287, 0.4071 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(115, 138, 97) }
```

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

```
.border{ border-color:rgb(115, 138, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 138, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 138, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 138, 97); box-shadow:4px 4px 4px 4px rgb(115, 138, 97) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6849, 0.3287, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 138, 97) }
```

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

```
.background{ background-color: rgb(115,  
138, 97) }
```

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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