

Converting Colors

$Y_{xy}(22.1500, 0.3181, 0.4044)$

Have a look what the booklet for
Yxy(22.1500, 0.3181, 0.4044)
contains.

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Color

Yxy(22.2036, 0.3177, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	6B8A63
RGB	107, 138, 99
RGB Percent	42%, 54%, 39%
CMY	0.5804, 0.4588, 0.6117
CMYK	0.22, 0.00, 0.28, 0.46
HSL	108°, 16%, 46%
HSV	108°, 28%, 54%
XYZ	17.4046, 22.2036, 15.1749
YIQ	124.2850, -5.9570, -18.7010

Conversions

Conversions Part 2

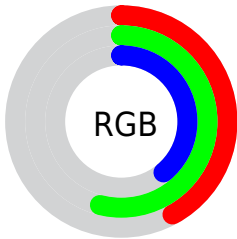
Format	Color
R_{YB}	99, 138, 130
Decimal	7047779
CIE _{Lab}	54.24, -18.84, 17.41
CIE _{LCh}	54, 25.654, 137.250
Yxy	22.2036, 0.3177, 0.4053
Android (android.graphics.Color)	4285237859 (0xFF6B8A63)
YUV	124.2850, -12.4655, -15.1589
Hunter-Lab	47.1207, -16.5301, 13.8905

Details

The Yxy color $22.2036, 0.3177, 0.4053$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.5071, 0.3051, 0.2591$, and the grayscale version is $20.3008, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.2722, 0.3172, 0.3879$, and $8.1572, 0.3182, 0.4390$ is the 20% darker color. If you saturate the color by 10%, you get $21.3253, 0.3188, 0.4368$, and if you desaturate by 10%, it is $23.2152, 0.3162, 0.3759$.

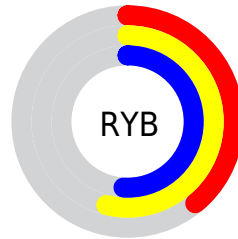
Distribution



Red (42%)

Green (54%)

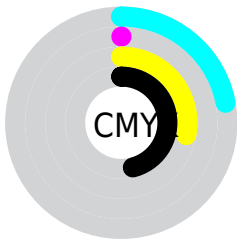
Blue (39%)



Red (39%)

Yellow (54%)

Blue (51%)

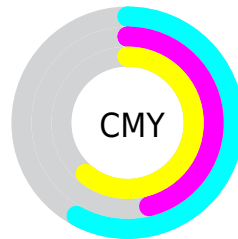


Cyan (22%)

Magenta (0%)

Yellow (28%)

Black (46%)



Cyan (58%)


Magenta (46%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2036, 0.3177, 0.4053 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 22.2036, 0.3177, 0.4053 by changing the saturation by 10% instead.


 22.2036, 0.3177,
0.4053


 22.2036, 0.3177,
0.4053


263.6077, 0.3158,
0.3610


 14.0066, 0.3178,
0.4191


 47.0823, 0.3172,
0.3874

 8.1252, 0.3175,
0.4388


 64.5327, 0.3170,
0.3812

 4.1752, 0.3159,
0.4693

 85.8364, 0.3167,
0.3762

 1.7720, 0.3171,
0.5328

 111.3778, 0.3165,
0.3721

 0.4697, 0.0000,
1.0000

141.5412, 0.3163,
0.3686

 0.0000, 0.0000,
0.0000

176.7110, 0.3161,

0.3657

217.2717, 0.3159,
0.3632

■ 22.2036, 0.3177,
0.4053

■ 22.2036, 0.3177,
0.4053

■ 21.3253, 0.3188,
0.4368

■ 23.2152, 0.3162,
0.3759

■ 20.5719, 0.3192,
0.4694

■ 24.3625, 0.3143,
0.3491

■ 19.9385, 0.3189,
0.5017

■ 25.6513, 0.3124,
0.3250

■ 19.4186, 0.3176,
0.5318

■ 27.0862, 0.3103,
0.3037

■ 19.0053, 0.3153,
0.5576

■ 28.6716, 0.3083,
0.2849

■ 18.6906, 0.3122,
0.5774

■ 30.4119, 0.3063,
0.2684

■ 18.4619, 0.3088,
0.5912

■ 32.3111, 0.3044,
0.2540

■ 18.4285, 0.3083,
0.5934

■ 34.3731, 0.3026,
0.2413

■ 36.6017, 0.3009,
0.2303

Harmonies

Analogous

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



22.2036, 0.3619, 0.4110



22.2036, 0.3177, 0.4053



22.2036, 0.2741, 0.3736

Triad

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



22.2036, 0.3177, 0.4053



22.2036, 0.2357, 0.2624



22.2036, 0.3876, 0.3229

Complementary

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



22.2036, 0.3177, 0.4053



15.5071, 0.3051, 0.2591

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.



22.2036, 0.3491, 0.2894



22.2036, 0.3177, 0.4053



22.2036, 0.2615, 0.2553

Square

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



22.2036, 0.3177, 0.4053



22.2036, 0.2289, 0.2877



22.2036, 0.3023, 0.2654



22.2036, 0.4044, 0.3597

Rectangle

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



22.2036, 0.3177, 0.4053



22.2036, 0.2511, 0.3438



22.2036, 0.3023, 0.2654



22.2036, 0.3767, 0.3111

Sweetspot

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



22.2046, 0.3177, 0.4053



42.9600, 0.3143, 0.3489



22.1512, 0.3574, 0.3832



9.5712, 0.3146, 0.3523



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.



22.2046, 0.3177, 0.4053



38.1094, 0.3185, 0.4255



21.9577, 0.2986, 0.3844



5.6544, 0.3145, 0.3514



16.9013, 0.3085, 0.5932



0.1175, 0.3339, 0.5731

Inverse Universe

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



15.5071, 0.3051, 0.2591



24.2599, 0.3028, 0.2426



15.8601, 0.3307, 0.2794



5.0781, 0.3107, 0.3072



4.7109, 0.2709, 0.1266



0.0373, 0.2963, 0.1406

Previews

White Background



This preview shows how the Yxy color 22.2036, 0.3177, 0.4053 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 22.2036, 0.3177, 0.4053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

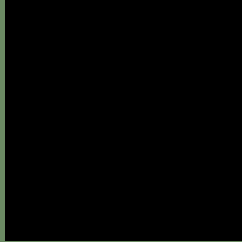
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2036, 0.3177, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 22.2036, 0.3177, 0.4053.



This preview shows how white text looks on a background with the Yxy color 22.2036, 0.3177, 0.4053.

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

22.2036, 0.3177, 0.4053

Protanopia

22.0157, 0.3635, 0.3892

Deuteranopia

21.9539, 0.3731, 0.3662



Tritanopia

22.0631, 0.2822, 0.3090

Trichromacy



Original Color

22.2036, 0.3177, 0.4053

Protanomaly

21.8591, 0.3460, 0.3956

Deuteranomaly

21.7910, 0.3515, 0.3794

Tritanomaly

21.9620, 0.2946, 0.3421

Monochromacy



Original Color

22.2036, 0.3177, 0.4053

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.7899, 0.3150, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2036, 0.3177, 0.4053 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(107, 138, 99)` looks like.

```
.text, #text, p{  
    color:rgb(107, 138, 99)  
}
```

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(107, 138, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 138, 99) }
```

Border

The CSS property to change the border of an element to Yxy 22.2036, 0.3177, 0.4053 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(107, 138, 99) }
```

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

```
.border{ border-color:rgb(107, 138, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 138, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 138, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 138, 99);  
box-shadow:4px 4px 4px 4px rgb(107, 138,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2036, 0.3177, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 138, 99) }
```

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

```
.background{ background-color: rgb(107,  
138, 99) }
```

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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