

Converting Colors

$Y_{xy}(22.1237, 0.3646, 0.3701)$

Have a look what the booklet for
Yxy(22.1237, 0.3646, 0.3701)
contains.

Yxy(22.0120, 0.3645, 0.3687)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.0120, 0.3645, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	927E67
RGB	146, 126, 103
RGB Percent	57%, 49%, 40%
CMY	0.4275, 0.5058, 0.5962
CMYK	0.00, 0.14, 0.29, 0.43
HSL	32°, 17%, 49%
HSV	32°, 29%, 57%
XYZ	21.7613, 22.0120, 15.9284
YIQ	129.3580, 19.3030, -2.9130

Conversions

Conversions Part 2

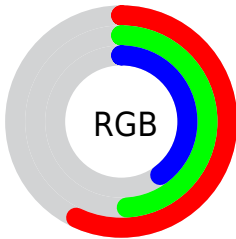
Format	Color
R_{YB}	140, 146, 103
Decimal	9600615
CIE _{Lab}	54.04, 3.99, 15.38
CIE _{LCh}	54, 15.884, 75.470
Yxy	22.0120, 0.3645, 0.3687
Android (android.graphics.Color)	4287790695 (0xFF927E67)
YUV	129.3580, -12.9945, 14.5950
Hunter-Lab	46.9169, 0.6881, 12.7128

Details

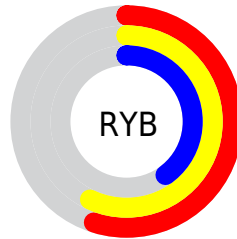
The Yxy color **22.0120, 0.3645, 0.3687** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.1147, 0.2669, 0.2857**, and the grayscale version is **22.1263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8527, 0.3526, 0.3609**, and **8.0262, 0.3855, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **20.0685, 0.3862, 0.3827**, and if you desaturate by 10%, it is **24.1263, 0.3449, 0.3547**.

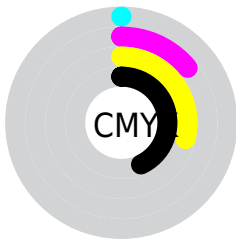
Distribution



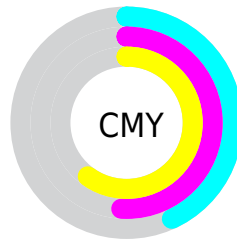
- Red (57%)
- Green (49%)
- Blue (40%)



- Red (55%)
- Yellow (57%)
- Blue (40%)



- Cyan (0%)
- Magenta (14%)
- Yellow (29%)
- Black (43%)





- Cyan (43%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0120, 0.3645, 0.3687 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 22.0120, 0.3645, 0.3687 by changing the saturation by 10% instead.


 22.0120, 0.3645,
0.3687

 22.0120, 0.3645,
0.3687


262.6089, 0.3353,
0.3468


 13.8657, 0.3731,
0.3749


 46.7658, 0.3530,
0.3602


 8.0273, 0.3850,
0.3834


 64.1422, 0.3490,
0.3572

 4.1124, 0.4024,
0.3954

 85.3640, 0.3457,
0.3547

 1.7367, 0.4344,
0.4173

 110.8157, 0.3429,
0.3526

 0.4472, 0.5387,
0.4613

140.8816, 0.3406,
0.3508

 0.0000, 0.0000,
0.0000

175.9462, 0.3386,

0.3493

216.3938, 0.3368,
0.3479

■ 22.0120, 0.3645,
0.3687

■ 22.0120, 0.3645,
0.3687

■ 20.0685, 0.3862,
0.3827

■ 24.1263, 0.3449,
0.3547

■ 18.2879, 0.4098,
0.3960

■ 26.4132, 0.3274,
0.3412

■ 16.6659, 0.4346,
0.4077

■ 28.8781, 0.3119,
0.3283

■ 15.1968, 0.4600,
0.4169

■ 31.5254, 0.2983,
0.3163

■ 13.8743, 0.4845,
0.4222

■ 34.3591, 0.2864,
0.3051

■ 12.6918, 0.5068,
0.4228

■ 37.3834, 0.2759,
0.2949

■ 11.6359, 0.5268,
0.4193

■ 40.6019, 0.2667,
0.2854

■ 11.5820, 0.5279,
0.4191

■ 44.0185, 0.2586,
0.2768

■ 47.6367, 0.2514,
0.2689

Harmonies

Analogous

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



22.0120, 0.3692, 0.3484



22.0120, 0.3645, 0.3687



22.0120, 0.3456, 0.3794

Triad

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



22.0120, 0.3645, 0.3687



22.0120, 0.2692, 0.3311



22.0120, 0.3050, 0.2873

Complementary

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



22.0120, 0.3645, 0.3687



19.1147, 0.2669, 0.2857

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.



22.0120, 0.2793, 0.2818



22.0120, 0.3645, 0.3687



22.0120, 0.2594, 0.3055

Square

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



22.0120, 0.3645, 0.3687



22.0120, 0.2905, 0.3575



22.0120, 0.2630, 0.2879



22.0120, 0.3340, 0.3027

Rectangle

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



22.0120, 0.3645, 0.3687



22.0120, 0.3279, 0.3786



22.0120, 0.2630, 0.2879



22.0120, 0.2957, 0.2843

Sweetspot

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



22.0130, 0.3645, 0.3687



46.7185, 0.3269, 0.3408



17.2383, 0.3465, 0.2945



10.2708, 0.3291, 0.3426



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.



22.0130, 0.3645, 0.3687



36.6605, 0.3778, 0.3775



27.5140, 0.3541, 0.4005



6.2987, 0.3270, 0.3409



10.2382, 0.5272, 0.4196



0.1844, 0.4708, 0.4643

Inverse Universe

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



19.1147, 0.2669, 0.2857



30.7408, 0.2568, 0.2748



14.7397, 0.2644, 0.2467



6.0505, 0.2989, 0.3169



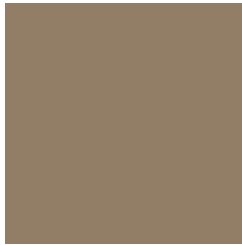
5.4906, 0.1751, 0.1503



0.1252, 0.1973, 0.2302

Previews

White Background



This preview shows how the Yxy color 22.0120, 0.3645, 0.3687 looks on a white background.

Color Contrast Check

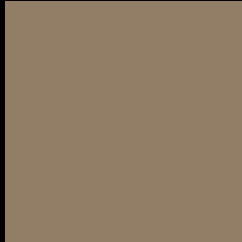
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0120, 0.3645, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

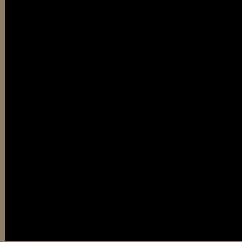
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0120, 0.3645, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 22.0120, 0.3645, 0.3687.

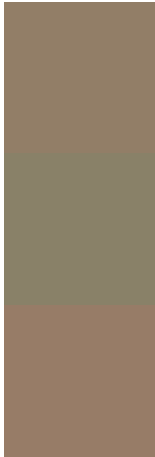


This preview shows how white text looks on a background with the Yxy color 22.0120, 0.3645, 0.3687.

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

22.0120, 0.3645, 0.3687

Protanopia

22.0184, 0.3506, 0.3736

Deuteranopia

21.9739, 0.3719, 0.3645



Tritanopia

21.9746, 0.3344, 0.3125

Trichromacy



Original Color

22.0120, 0.3645, 0.3687

Protanomaly

22.0133, 0.3548, 0.3713

Deuteranomaly

22.0361, 0.3688, 0.3665

Tritanomaly

21.8423, 0.3462, 0.3325

Monochromacy



Original Color

22.0120, 0.3645, 0.3687

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.9453, 0.3300, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0120, 0.3645, 0.3687 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(146, 126, 103)` looks like.

```
.text, #text, p{  
    color:rgb(146, 126, 103)  
}
```

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(146, 126, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 126, 103) }
```

Border

The CSS property to change the border of an element to Yxy 22.0120, 0.3645, 0.3687 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(146, 126, 103) }
```

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

```
.border{ border-color:rgb(146, 126, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 126, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 126, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 126, 103);  
box-shadow:4px 4px 4px 4px rgb(146, 126,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0120, 0.3645, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 126, 103) }
```

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

```
.background{ background-color: rgb(146,  
126, 103) }
```

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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