

Converting Colors

$Y_{xy}(20.1443, 0.3949, 0.4526)$

Have a look what the booklet for
Yxy(20.1443, 0.3949, 0.4526)
contains.

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Color

Yxy(20.0424, 0.3953, 0.4512)

Conversions

Conversions Part 1

Format	Color
Hex	837E39
RGB	131, 126, 57
RGB Percent	51%, 49%, 22%
CMY	0.4863, 0.5059, 0.7763
CMYK	0.00, 0.04, 0.56, 0.49
HSL	56°, 39%, 37%
HSV	56°, 56%, 51%
XYZ	17.5593, 20.0424, 6.8185
YIQ	119.6290, 25.1290, -20.3990

Conversions

Conversions Part 2

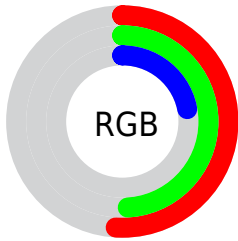
Format	Color
RYB	62, 131, 57
Decimal	8617529
CIELab	51.89, -7.84, 37.62
CIElCh	52, 38.430, 101.770
Yxy	20.0424, 0.3953, 0.4512
Android (android.graphics.Color)	4286807609 (0xFF837E39)
YUV	119.6290, -30.8761, 9.9724
Hunter-Lab	44.7687, -8.3336, 22.3080

Details

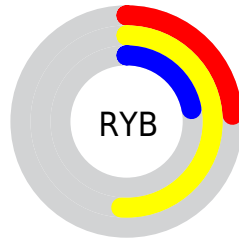
The Yxy color **20.0424, 0.3953, 0.4512** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.9573, 0.2104, 0.1669**, and the grayscale version is **18.7533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3205, 0.3799, 0.4245**, and **6.9854, 0.4184, 0.4940** is the 20% darker color. If you saturate the color by 10%, you get **19.7040, 0.4072, 0.4676**, and if you desaturate by 10%, it is **20.4184, 0.3817, 0.4320**.

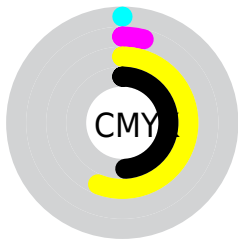
Distribution



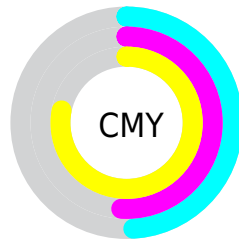
- Red (51%)
- Green (49%)
- Blue (22%)



- Red (24%)
- Yellow (51%)
- Blue (22%)



- Cyan (0%)
- Magenta (4%)
- Yellow (56%)
- Black (49%)





- Cyan (49%)
- Magenta (51%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0424, 0.3953, 0.4512 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 20.0424, 0.3953, 0.4512 by changing the saturation by 10% instead.


 20.0424, 0.3953,
0.4512


 20.0424, 0.3953,
0.4512


252.1446, 0.3511,
0.3824

 12.4259, 0.4060,
0.4701


 43.4883, 0.3790,
0.4246


 7.0344, 0.4185,
0.4946

 60.0864, 0.3729,
0.4150


 3.4836, 0.4500,
0.5488

 80.4471, 0.3678,
0.4072

 1.3891, 0.4371,
0.5629

 104.9550, 0.3634,
0.4006

 0.2087, 0.0324,
0.9676

 133.9942, 0.3596,
0.3950

 0.0000, 0.0000,
0.0000

 167.9493, 0.3564,

0.3902

207.2046, 0.3536,
0.3861

■ 20.0424, 0.3953,
0.4512

■ 20.0424, 0.3953,
0.4512

■ 19.7040, 0.4072,
0.4676

■ 20.4184, 0.3817,
0.4320

■ 19.3977, 0.4171,
0.4804

■ 20.8317, 0.3671,
0.4107

■ 19.1214, 0.4245,
0.4891

■ 21.2852, 0.3519,
0.3883

■ 18.8697, 0.4296,
0.4942

■ 21.7810, 0.3367,
0.3656

■ 18.7825, 0.4313,
0.4958

■ 22.3209, 0.3219,
0.3431

■ 22.9066, 0.3078,
0.3214

■ 23.5399, 0.2945,
0.3009

■ 24.2223, 0.2822,
0.2817

■ 24.9551, 0.2708,
0.2639

Harmonies

Analogous

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



20.0424, 0.4418, 0.4120



20.0424, 0.3953, 0.4512



20.0424, 0.3296, 0.4564

Triad

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



20.0424, 0.3953, 0.4512



20.0424, 0.1902, 0.2726



20.0424, 0.3547, 0.2623

Complementary

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



20.0424, 0.3953, 0.4512



5.9573, 0.2104, 0.1669

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.



20.0424, 0.2828, 0.2313



20.0424, 0.3953, 0.4512



20.0424, 0.1951, 0.2328

Square

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



20.0424, 0.3953, 0.4512



20.0424, 0.2131, 0.3388



20.0424, 0.2266, 0.2202



20.0424, 0.4203, 0.3076

Rectangle

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



20.0424, 0.3953, 0.4512



20.0424, 0.2841, 0.4323



20.0424, 0.2266, 0.2202



20.0424, 0.3301, 0.2501

Sweetspot

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



20.0433, 0.3953, 0.4512



38.9236, 0.3382, 0.3677



8.1157, 0.4595, 0.3180



9.0268, 0.3407, 0.3715



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.0433, 0.3953, 0.4512



35.1132, 0.4105, 0.4720



19.2459, 0.3513, 0.4785



5.3707, 0.3259, 0.3491



18.4923, 0.4312, 0.4958



0.0681, 0.4248, 0.5009

Inverse Universe

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



5.9573, 0.2104, 0.1669



7.2383, 0.1862, 0.1266



6.6358, 0.2489, 0.1726



4.5913, 0.2992, 0.3081



1.8035, 0.1518, 0.0663



0.0093, 0.1594, 0.0938

Previews

White Background



This preview shows how the Yxy color 20.0424, 0.3953, 0.4512 looks on a white background.

Color Contrast Check

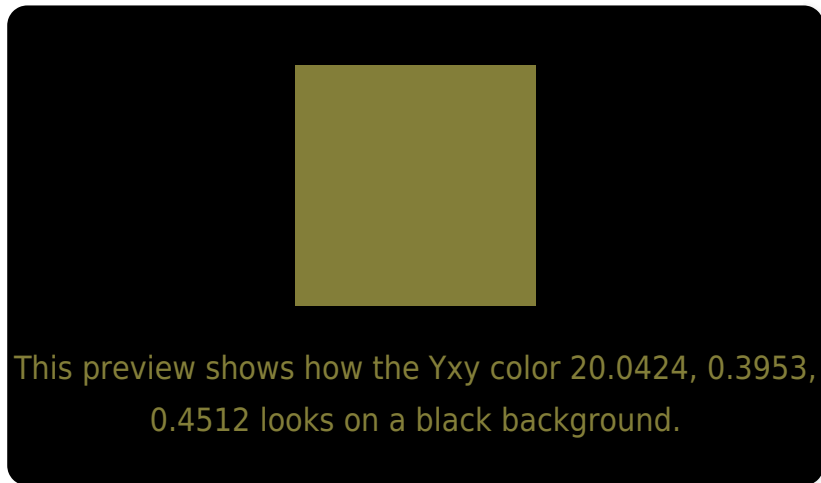
Large Text (above 18pt) WCAG AA ✓ Pass

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

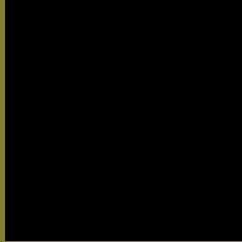
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0424, 0.3953, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 20.0424, 0.3953, 0.4512.



This preview shows how white text looks on a background with the Yxy color 20.0424, 0.3953, 0.4512.

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

20.0424, 0.3953, 0.4512

Protanopia

20.0192, 0.4062, 0.4458

Deuteranopia

20.0449, 0.4307, 0.4231



Tritanopia

19.9187, 0.3262, 0.3115

Trichromacy



Original Color

20.0424, 0.3953, 0.4512

Protanomaly

20.1037, 0.4025, 0.4486

Deuteranomaly

20.0000, 0.4180, 0.4336

Tritanomaly

19.7850, 0.3535, 0.3638

Monochromacy



Original Color

20.0424, 0.3953, 0.4512

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.0672, 0.3447, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0424, 0.3953, 0.4512 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(131, 126, 57)` looks like.

```
.text, #text, p{  
    color:rgb(131, 126, 57)  
}
```

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(131, 126, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 126, 57) }
```

Border

The CSS property to change the border of an element to Yxy 20.0424, 0.3953, 0.4512 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(131, 126, 57) }
```

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

```
.border{ border-color:rgb(131, 126, 57) }
```

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

Here you see how a box with a 4 pixel rgb(131, 126, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 126, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 126, 57);  
box-shadow:4px 4px 4px 4px rgb(131, 126,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0424, 0.3953, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 126, 57) }
```

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

```
.background{ background-color: rgb(131,  
126, 57) }
```

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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