

Converting Colors

$Y_{xy}(19.9181, 0.4030, 0.3757)$

Have a look what the booklet for
Yxy(19.9181, 0.4030, 0.3757)
contains.

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Color

Yxy(19.9181, 0.4030, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	9B7357
RGB	155, 115, 87
RGB Percent	61%, 45%, 34%
CMY	0.3922, 0.5490, 0.6589
CMYK	0.00, 0.26, 0.44, 0.39
HSL	25°, 28%, 47%
HSV	25°, 44%, 61%
XYZ	21.3654, 19.9181, 11.7324
YIQ	123.7680, 32.8280, -0.2280

Conversions

Conversions Part 2

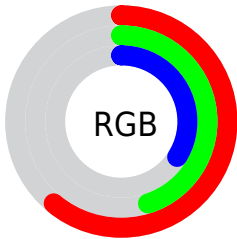
Format	Color
R_{YB}	155, 135, 87
Decimal	10187607
CIE _{Lab}	51.74, 12.01, 21.63
CIE _{LCh}	52, 24.741, 60.953
Yxy	19.9181, 0.4030, 0.3757
Android (android.graphics.Color)	4288377687 (0xFF9B7357)
YUV	123.7680, -18.1266, 27.3905
Hunter-Lab	44.6297, 7.3508, 15.6544

Details

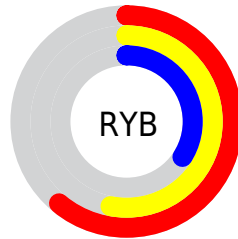
The Yxy color **19.9181, 0.4030, 0.3757** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.5588, 0.2460, 0.2761**, and the grayscale version is **20.1278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2925, 0.3826, 0.3665**, and **6.9992, 0.4401, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **17.7160, 0.4312, 0.3856**, and if you desaturate by 10%, it is **22.3819, 0.3776, 0.3649**.

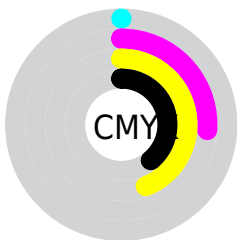
Distribution



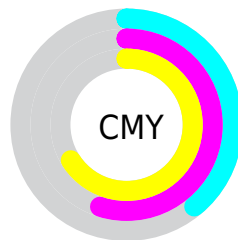
- Red (61%)
- Green (45%)
- Blue (34%)



- Red (61%)
- Yellow (53%)
- Blue (34%)



- Cyan (0%)
- Magenta (26%)
- Yellow (44%)
- Black (39%)





- Cyan (39%)
- Magenta (55%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9181, 0.4030, 0.3757 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 19.9181, 0.4030, 0.3757 by changing the saturation by 10% instead.


 19.9181, 0.4030,
0.3757

 19.9181, 0.4030,
0.3757


251.4714, 0.3514,
0.3508


 12.3355, 0.4184,
0.3821


 43.2798, 0.3825,
0.3664

 6.9726, 0.4396,
0.3901


 59.8278, 0.3753,
0.3629

 3.4450, 0.4706,
0.3998

 80.1330, 0.3695,
0.3601

 1.3682, 0.5588,
0.4412

 104.5798, 0.3646,
0.3576

 0.1931, 0.7117,
0.2883

 133.5527, 0.3605,
0.3555

 0.0000, 0.0000,
0.0000

167.4360, 0.3570,

0.3537

206.6141, 0.3540,
0.3522

■ 19.9181, 0.4030,
0.3757

■ 19.9181, 0.4030,
0.3757

■ 17.7160, 0.4312,
0.3856

■ 22.3819, 0.3776,
0.3649

■ 15.7633, 0.4614,
0.3935

■ 25.1133, 0.3551,
0.3539

■ 14.0508, 0.4925,
0.3984

■ 28.1218, 0.3355,
0.3431

■ 12.5674, 0.5224,
0.3990

■ 31.4154, 0.3186,
0.3328

■ 11.3009, 0.5488,
0.3945

■ 35.0018, 0.3040,
0.3232

■ 10.6200, 0.5640,
0.3904

■ 38.8882, 0.2915,
0.3143

■ 43.0819, 0.2807,
0.3061

■ 47.5895, 0.2713,
0.2987

■ 52.4178, 0.2632,
0.2918

Harmonies

Analogous

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



19.9181, 0.3985, 0.3397



19.9181, 0.4030, 0.3757



19.9181, 0.3817, 0.4033

Triad

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



19.9181, 0.4030, 0.3757



19.9181, 0.2576, 0.3535



19.9181, 0.2786, 0.2579

Complementary

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



19.9181, 0.4030, 0.3757



19.5588, 0.2460, 0.2761

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.



19.9181, 0.2452, 0.2569



19.9181, 0.4030, 0.3757



19.9181, 0.2337, 0.3084

Square

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



19.9181, 0.4030, 0.3757



19.9181, 0.2970, 0.3936



19.9181, 0.2295, 0.2739



19.9181, 0.3237, 0.2749

Rectangle

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



19.9181, 0.4030, 0.3757



19.9181, 0.3568, 0.4117



19.9181, 0.2295, 0.2739



19.9181, 0.2658, 0.2557

Sweetspot

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



19.9191, 0.4030, 0.3757



50.7268, 0.3344, 0.3424



15.3339, 0.3565, 0.2628



11.2165, 0.3382, 0.3446



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.9191, 0.4030, 0.3757



31.6758, 0.4317, 0.3857



28.8914, 0.3803, 0.4251



6.6200, 0.3274, 0.3382



8.6040, 0.5625, 0.3916



0.1978, 0.4944, 0.4457

Inverse Universe

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



19.5588, 0.2460, 0.2761



30.9180, 0.2316, 0.2612



12.3591, 0.2350, 0.2100



6.5993, 0.2989, 0.3196



8.0023, 0.1865, 0.1912



0.1911, 0.2046, 0.2566

Previews

White Background



This preview shows how the Yxy color 19.9181, 0.4030, 0.3757 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 19.9181, 0.4030, 0.3757 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 19.9181, 0.4030, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 19.9181, 0.4030, 0.3757.



This preview shows how white text looks on a background with the Yxy color 19.9181, 0.4030, 0.3757.

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

19.9181, 0.4030, 0.3757

Protanopia

19.9078, 0.3634, 0.3880

Deuteranopia

19.8318, 0.3914, 0.3844



Tritanopia

19.9699, 0.3659, 0.3161

Trichromacy



Original Color

19.9181, 0.4030, 0.3757

Protanomaly

19.8338, 0.3770, 0.3825

Deuteranomaly

19.8785, 0.3961, 0.3819

Tritanomaly

19.8180, 0.3806, 0.3375

Monochromacy



Original Color

19.9181, 0.4030, 0.3757

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9733, 0.3424, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9181, 0.4030, 0.3757 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(155, 115, 87)` looks like.

```
.text, #text, p{  
    color:rgb(155, 115, 87)  
}
```

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(155, 115, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 115, 87) }
```

Border

The CSS property to change the border of an element to Yxy 19.9181, 0.4030, 0.3757 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(155, 115, 87) }
```

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

```
.border{ border-color:rgb(155, 115, 87) }
```

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

Here you see how a box with a 4 pixel rgb(155, 115, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 115, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 115, 87);  
box-shadow:4px 4px 4px 4px rgb(155, 115,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9181, 0.4030, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 115, 87) }
```

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

```
.background{ background-color: rgb(155,  
115, 87) }
```

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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