

Converting Colors

$Y_{xy}(20.0751, 0.4037, 0.4237)$

Have a look what the booklet for
Yxy(20.0751, 0.4037, 0.4237)
contains.

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Color

Yxy(20.0751, 0.4037, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	8E7A43
RGB	142, 122, 67
RGB Percent	56%, 48%, 26%
CMY	0.4432, 0.5215, 0.7372
CMYK	0.00, 0.14, 0.53, 0.44
HSL	44°, 36%, 41%
HSV	44°, 53%, 56%
XYZ	19.1275, 20.0751, 8.1779
YIQ	121.7100, 29.5750, -12.8650

Conversions

Conversions Part 2

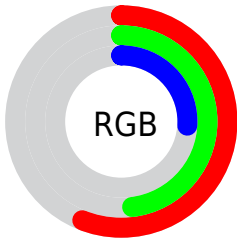
Format	Color
RYB	94, 142, 67
Decimal	9337411
CIELab	51.92, 0.24, 32.72
CIELCh	52, 32.724, 89.582
Yxy	20.0751, 0.4037, 0.4237
Android (android.graphics.Color)	4287527491 (0xFF8E7A43)
YUV	121.7100, -26.9720, 17.7943
Hunter-Lab	44.8052, -2.2070, 20.5420

Details

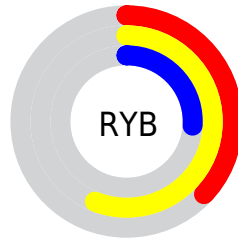
The Yxy color **20.0751, 0.4037, 0.4237** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.9623, 0.2232, 0.2096**, and the grayscale version is **19.4455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4034, 0.3845, 0.4040**, and **7.1217, 0.4356, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **19.0144, 0.4220, 0.4385**, and if you desaturate by 10%, it is **21.2157, 0.3850, 0.4067**.

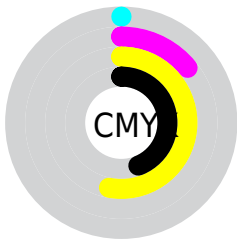
Distribution



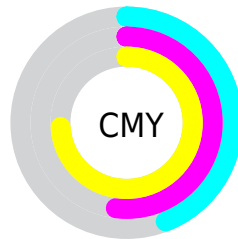
- Red (56%)
- Green (48%)
- Blue (26%)



- Red (37%)
- Yellow (56%)
- Blue (26%)



- Cyan (0%)
- Magenta (14%)
- Yellow (53%)
- Black (44%)





- Cyan (44%)
- Magenta (52%)
- Yellow (74%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0751, 0.4037, 0.4237 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 20.0751, 0.4037, 0.4237 by changing the saturation by 10% instead.


 20.0751, 0.4037,
0.4237


 20.0751, 0.4037,
0.4237


252.3214, 0.3533,
0.3713

 12.4496, 0.4173,
0.4378


 43.5431, 0.3844,
0.4037


 7.0507, 0.4348,
0.4559

 60.1544, 0.3774,
0.3964


 3.4938, 0.4643,
0.4863

 80.5297, 0.3716,
0.3904

 1.3947, 0.4888,
0.5112

 105.0535, 0.3668,
0.3854

 0.2128, 0.4944,
0.5056

 134.1102, 0.3627,
0.3811

 0.0000, 0.0000,
0.0000

168.0842, 0.3591,

0.3774

207.3598, 0.3560,
0.3741

■ 20.0751, 0.4037,
0.4237

■ 20.0751, 0.4037,
0.4237

■ 19.0144, 0.4220,
0.4385

■ 21.2157, 0.3850,
0.4067

■ 18.0272, 0.4390,
0.4502

■ 22.4366, 0.3666,
0.3886

■ 17.1106, 0.4540,
0.4578

■ 23.7416, 0.3488,
0.3700

■ 16.2599, 0.4664,
0.4609

■ 25.1335, 0.3322,
0.3516

■ 15.6798, 0.4744,
0.4615

■ 26.6149, 0.3168,
0.3338

■ 28.1882, 0.3027,
0.3170

■ 29.8558, 0.2900,
0.3012

■ 31.6199, 0.2785,
0.2866

■ 33.4826, 0.2682,
0.2731

Harmonies

Analogous

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



20.0751, 0.4317, 0.3850



20.0751, 0.4037, 0.4237



20.0751, 0.3525, 0.4398

Triad

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



20.0751, 0.4037, 0.4237



20.0751, 0.2117, 0.3027



20.0751, 0.3235, 0.2583

Complementary

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



20.0751, 0.4037, 0.4237



9.9623, 0.2232, 0.2096

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.



20.0751, 0.2654, 0.2377



20.0751, 0.4037, 0.4237



20.0751, 0.2057, 0.2578

Square

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



20.0751, 0.4037, 0.4237



20.0751, 0.2424, 0.3639



20.0751, 0.2242, 0.2365



20.0751, 0.3840, 0.2940

Rectangle

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



20.0751, 0.4037, 0.4237



20.0751, 0.3130, 0.4300



20.0751, 0.2242, 0.2365



20.0751, 0.3029, 0.2495

Sweetspot

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



20.0760, 0.4037, 0.4237



43.4418, 0.3379, 0.3580



10.4537, 0.4182, 0.2937



9.6051, 0.3409, 0.3613



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.0760, 0.4037, 0.4237



33.2636, 0.4246, 0.4405



24.0721, 0.3661, 0.4621



6.0455, 0.3265, 0.3451



14.1103, 0.4741, 0.4617



0.1712, 0.4443, 0.4854

Inverse Universe

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



9.9623, 0.2232, 0.2096



13.5498, 0.2033, 0.1785



7.8762, 0.2353, 0.1750



5.4744, 0.2990, 0.3124



3.0169, 0.1601, 0.0963



0.0610, 0.1814, 0.1728

Previews

White Background



This preview shows how the Yxy color 20.0751, 0.4037, 0.4237 looks on a white background.

Color Contrast Check

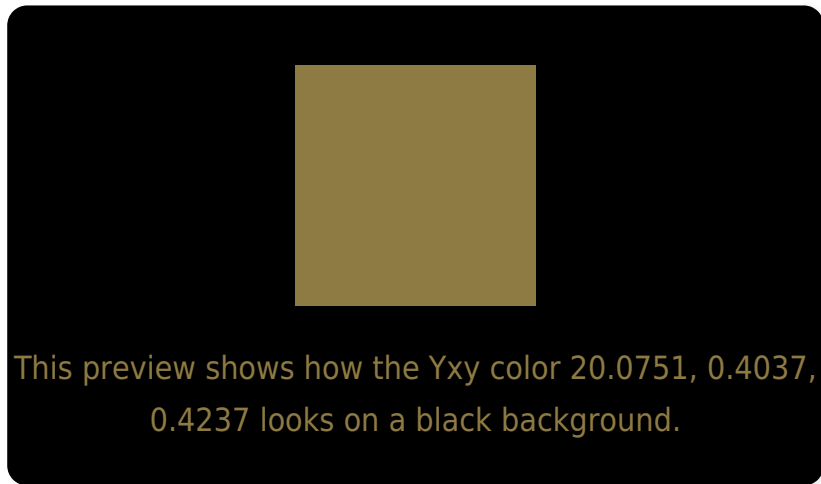
Large Text (above 18pt) WCAG AA ✓ Pass

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

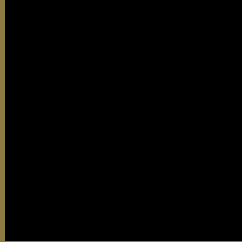
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0751, 0.4037, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 20.0751, 0.4037, 0.4237.



This preview shows how white text looks on a background with the Yxy color 20.0751, 0.4037, 0.4237.

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

20.0751, 0.4037, 0.4237

Protanopia

20.0669, 0.3929, 0.4284

Deuteranopia

20.0496, 0.4197, 0.4110



Tritanopia

19.9197, 0.3434, 0.3138

Trichromacy



Original Color

20.0751, 0.4037, 0.4237

Protanomaly

19.9865, 0.3964, 0.4258

Deuteranomaly

19.9069, 0.4134, 0.4145

Tritanomaly

19.9559, 0.3669, 0.3554

Monochromacy



Original Color

20.0751, 0.4037, 0.4237

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5455, 0.3452, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0751, 0.4037, 0.4237 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(142, 122, 67)` looks like.

```
.text, #text, p{  
    color:rgb(142, 122, 67)  
}
```

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(142, 122, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 122, 67) }
```

Border

The CSS property to change the border of an element to Yxy 20.0751, 0.4037, 0.4237 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(142, 122, 67) }
```

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

```
.border{ border-color:rgb(142, 122, 67) }
```

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

Here you see how a box with a 4 pixel rgb(142, 122, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 122, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 122, 67);  
box-shadow:4px 4px 4px 4px rgb(142, 122,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0751, 0.4037, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 122, 67) }
```

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

```
.background{ background-color: rgb(142,  
122, 67) }
```

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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