

Converting Colors

$Y_{xy}(20.6135, 0.4029, 0.4028)$

Have a look what the booklet for
Yxy(20.6135, 0.4029, 0.4028)
contains.

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Color

$\text{Yxy}(20.6001, 0.4027, 0.4033)$

Conversions

Conversions Part 1

Format	Color
Hex	95794D
RGB	149, 121, 77
RGB Percent	58%, 47%, 30%
CMY	0.4157, 0.5255, 0.6981
CMYK	0.00, 0.19, 0.48, 0.42
HSL	37°, 32%, 44%
HSV	37°, 48%, 58%
XYZ	20.5695, 20.6001, 9.9093
YIQ	124.3560, 30.8120, -7.7480

Conversions

Conversions Part 2

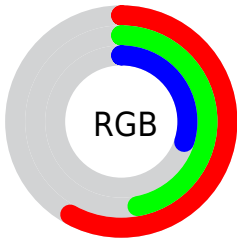
Format	Color
RYB	123, 149, 77
Decimal	9795917
CIELab	52.51, 4.89, 28.16
CIElCh	53, 28.579, 80.140
Yxy	20.6001, 0.4027, 0.4033
Android (android.graphics.Color)	4287985997 (0xFF95794D)
YUV	124.3560, -23.3465, 21.6128
Hunter-Lab	45.3873, 1.4680, 18.8265

Details

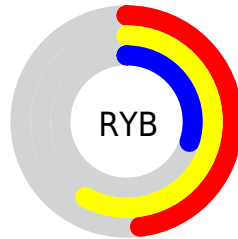
The Yxy color **20.6001, 0.4027, 0.4033** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.8419, 0.2343, 0.2396**, and the grayscale version is **20.3525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3986, 0.3832, 0.3871**, and **7.3508, 0.4352, 0.4292** is the 20% darker color. If you saturate the color by 10%, you get **19.0489, 0.4250, 0.4169**, and if you desaturate by 10%, it is **22.2859, 0.3811, 0.3882**.

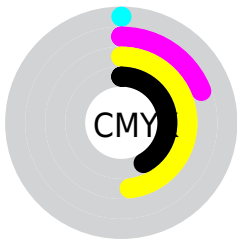
Distribution



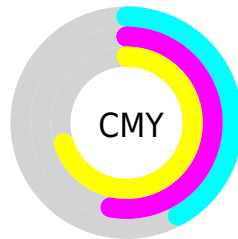
- Red (58%)
- Green (47%)
- Blue (30%)



- Red (48%)
- Yellow (58%)
- Blue (30%)



- Cyan (0%)
- Magenta (19%)
- Yellow (48%)
- Black (42%)





- Cyan (42%)
- Magenta (53%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6001, 0.4027, 0.4033 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 20.6001, 0.4027, 0.4033 by changing the saturation by 10% instead.


 20.6001, 0.4027,
0.4033


 20.6001, 0.4027,
0.4033


255.1455, 0.3522,
0.3627


 12.8320, 0.4170,
0.4141


 44.4210, 0.3831,
0.3879

 7.3130, 0.4360,
0.4280


 61.2427, 0.3761,
0.3823


 3.6586, 0.4628,
0.4463

 81.8509, 0.3703,
0.3776

 1.4845, 0.5166,
0.4834

 106.6302, 0.3655,
0.3737

 0.2778, 0.5799,
0.4201

 135.9649, 0.3614,
0.3704

 0.0000, 0.0000,
0.0000

170.2395, 0.3579,

0.3675

209.8382, 0.3549,
0.3649

■ 20.6001, 0.4027,
0.4033

■ 20.6001, 0.4027,
0.4033

■ 19.0489, 0.4250,
0.4169

■ 22.2859, 0.3811,
0.3882

■ 17.6246, 0.4473,
0.4279

■ 24.1079, 0.3609,
0.3724

■ 16.3229, 0.4685,
0.4352

■ 26.0711, 0.3423,
0.3566

■ 15.1379, 0.4875,
0.4379

■ 28.1796, 0.3254,
0.3412

■ 14.0591, 0.5039,
0.4363

■ 30.4371, 0.3103,
0.3266

■ 13.8873, 0.5067,
0.4359

■ 32.8471, 0.2968,
0.3130

■ 35.4131, 0.2849,
0.3003

■ 38.1384, 0.2743,
0.2886

■ 41.0261, 0.2649,
0.2778

Harmonies

Analogous

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



20.6001, 0.4176, 0.3668



20.6001, 0.4027, 0.4033



20.6001, 0.3636, 0.4235

Triad

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



20.6001, 0.4027, 0.4033



20.6001, 0.2305, 0.3227



20.6001, 0.3056, 0.2593

Complementary

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



20.6001, 0.4027, 0.4033



13.8419, 0.2343, 0.2396

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.



20.6001, 0.2582, 0.2463



20.6001, 0.4027, 0.4033



20.6001, 0.2179, 0.2778

Square

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



20.6001, 0.4027, 0.4033



20.6001, 0.2643, 0.3756



20.6001, 0.2276, 0.2518



20.6001, 0.3590, 0.2874

Rectangle

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



20.6001, 0.4027, 0.4033



20.6001, 0.3302, 0.4214



20.6001, 0.2276, 0.2518



20.6001, 0.2884, 0.2531

Sweetspot

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



20.6011, 0.4027, 0.4033



48.1938, 0.3353, 0.3503



12.7297, 0.3879, 0.2800



10.5182, 0.3386, 0.3533



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.6011, 0.4027, 0.4033



33.8947, 0.4269, 0.4179



27.7595, 0.3736, 0.4469



6.3700, 0.3268, 0.3425



11.7484, 0.5059, 0.4365



0.2012, 0.4596, 0.4733

Inverse Universe

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



13.8419, 0.2343, 0.2396



20.3388, 0.2166, 0.2150



9.3677, 0.2316, 0.1846



5.9805, 0.2989, 0.3151



4.4190, 0.1687, 0.1271



0.1084, 0.1917, 0.2101

Previews

White Background



This preview shows how the Yxy color 20.6001, 0.4027, 0.4033 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 20.6001, 0.4027, 0.4033 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 20.6001, 0.4027, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 20.6001, 0.4027, 0.4033.



This preview shows how white text looks on a background with the Yxy color 20.6001, 0.4027, 0.4033.

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

20.6001, 0.4027, 0.4033

Protanopia

20.5501, 0.3815, 0.4112

Deuteranopia

20.6442, 0.4075, 0.4005



Tritanopia

20.4890, 0.3513, 0.3142

Trichromacy



Original Color

20.6001, 0.4027, 0.4033

Protanomaly

20.6281, 0.3886, 0.4097

Deuteranomaly

20.5481, 0.4062, 0.4009

Tritanomaly

20.4595, 0.3715, 0.3460

Monochromacy



Original Color

20.6001, 0.4027, 0.4033

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.2140, 0.3441, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6001, 0.4027, 0.4033 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(149, 121, 77)` looks like.

```
.text, #text, p{  
    color:rgb(149, 121, 77)  
}
```

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(149, 121, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 121, 77) }
```

Border

The CSS property to change the border of an element to Yxy 20.6001, 0.4027, 0.4033 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(149, 121, 77) }
```

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

```
.border{ border-color:rgb(149, 121, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 121, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 121, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 121, 77);  
box-shadow:4px 4px 4px 4px rgb(149, 121,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6001, 0.4027, 0.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 121, 77) }
```

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

```
.background{ background-color: rgb(149,  
121, 77) }
```

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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