

Converting Colors

$Y_{xy}(20.4724, 0.4120, 0.4015)$

Have a look what the booklet for
Yxy(20.4724, 0.4120, 0.4015)
contains.

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Color

Yxy(20.4740, 0.4120, 0.4016)

Conversions

Conversions Part 1

Format	Color
Hex	99774B
RGB	153, 119, 75
RGB Percent	60%, 47%, 29%
CMY	0.4000, 0.5333, 0.7058
CMYK	0.00, 0.22, 0.51, 0.40
HSL	34°, 34%, 45%
HSV	34°, 51%, 60%
XYZ	21.0042, 20.4740, 9.5029
YIQ	124.1500, 34.3880, -6.4760

Conversions

Conversions Part 2

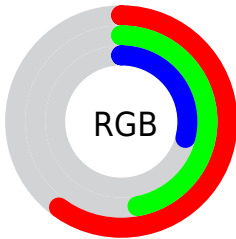
Format	Color
R_{YB}	135, 153, 75
Decimal	10057547
CIE _{Lab}	52.37, 7.60, 29.16
CIE _{LCh}	52, 30.136, 75.397
Yxy	20.4740, 0.4120, 0.4016
Android (android.graphics.Color)	4288247627 (0xFF99774B)
YUV	124.1500, -24.2309, 25.3015
Hunter-Lab	45.2482, 3.6753, 19.2219

Details

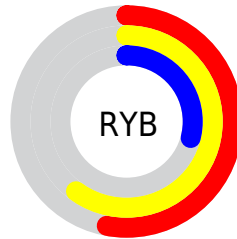
The Yxy color **20.4740, 0.4120, 0.4016** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.7352, 0.2311, 0.2412**, and the grayscale version is **20.2832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1618, 0.3898, 0.3864**, and **7.3045, 0.4495, 0.4247** is the 20% darker color. If you saturate the color by 10%, you get **18.7577, 0.4361, 0.4136**, and if you desaturate by 10%, it is **22.3541, 0.3888, 0.3878**.

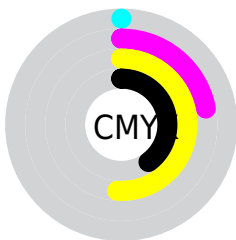
Distribution



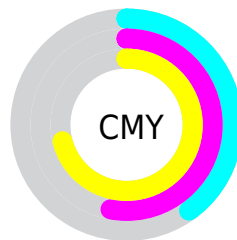
- Red (60%)
- Green (47%)
- Blue (29%)



- Red (53%)
- Yellow (60%)
- Blue (29%)



- Cyan (0%)
- Magenta (22%)
- Yellow (51%)
- Black (40%)



- Cyan (40%)
- Magenta (53%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4740, 0.4120, 0.4016 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 20.4740, 0.4120, 0.4016 by changing the saturation by 10% instead.


 20.4740, 0.4120,
0.4016


 20.4740, 0.4120,
0.4016


254.4697, 0.3562,
0.3625


 12.7401, 0.4278,
0.4116

 44.2105, 0.3903,
0.3870


 7.2498, 0.4488,
0.4242


 60.9818, 0.3825,
0.3816

 3.6188, 0.4793,
0.4407

 81.5343, 0.3762,
0.3771

 1.4627, 0.5325,
0.4675

 106.2526, 0.3709,
0.3733

 0.2623, 0.6237,
0.3763

 135.5208, 0.3663,
0.3700

 0.0000, 0.0000,
0.0000

169.7235, 0.3625,

0.3672

209.2450, 0.3591,
0.3647

■ 20.4740, 0.4120,
0.4016

■ 20.4740, 0.4120,
0.4016

■ 18.7577, 0.4361,
0.4136

■ 22.3541, 0.3888,
0.3878

■ 17.1963, 0.4603,
0.4228

■ 24.4005, 0.3673,
0.3732

■ 15.7843, 0.4832,
0.4280

■ 26.6195, 0.3476,
0.3584

■ 14.5143, 0.5036,
0.4282

■ 29.0158, 0.3299,
0.3440

■ 13.4768, 0.5202,
0.4252

■ 31.5942, 0.3142,
0.3303

■ 34.3590, 0.3002,
0.3174

■ 37.3146, 0.2879,
0.3055

■ 40.4650, 0.2771,
0.2945

■ 43.8142, 0.2676,
0.2843

Harmonies

Analogous

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



20.4740, 0.4231, 0.3615



20.4740, 0.4120, 0.4016



20.4740, 0.3738, 0.4272

Triad

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



20.4740, 0.4120, 0.4016



20.4740, 0.2304, 0.3309



20.4740, 0.2963, 0.2525

Complementary

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



20.4740, 0.4120, 0.4016



14.7352, 0.2311, 0.2412

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.



20.4740, 0.2489, 0.2416



20.4740, 0.4120, 0.4016



20.4740, 0.2136, 0.2810

Square

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



20.4740, 0.4120, 0.4016



20.4740, 0.2688, 0.3866



20.4740, 0.2201, 0.2505



20.4740, 0.3529, 0.2797

Rectangle

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



20.4740, 0.4120, 0.4016



20.4740, 0.3394, 0.4289



20.4740, 0.2201, 0.2505



20.4740, 0.2788, 0.2469

Sweetspot

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



20.4750, 0.4120, 0.4016



50.0687, 0.3373, 0.3502



12.9340, 0.3872, 0.2711



10.8736, 0.3407, 0.3529



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



20.4750, 0.4120, 0.4016



33.2332, 0.4391, 0.4150



29.6903, 0.3809, 0.4510



6.7717, 0.3270, 0.3416



11.2053, 0.5193, 0.4259



0.2398, 0.4678, 0.4667

Inverse Universe

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



14.7352, 0.2311, 0.2412



21.8087, 0.2138, 0.2174



8.9917, 0.2219, 0.1738



6.4472, 0.2989, 0.3161



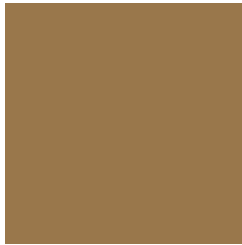
5.2531, 0.1725, 0.1410



0.1491, 0.1947, 0.2210

Previews

White Background



This preview shows how the Yxy color 20.4740, 0.4120, 0.4016 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 20.4740, 0.4120, 0.4016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

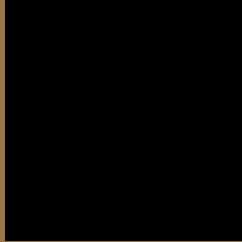
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4740, 0.4120, 0.4016

Background



This preview shows how black text looks on a background with the Yxy color 20.4740, 0.4120, 0.4016.



This preview shows how white text looks on a background with the Yxy color 20.4740, 0.4120, 0.4016.

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

20.4740, 0.4120, 0.4016

Protanopia

20.5214, 0.3837, 0.4146

Deuteranopia

20.3771, 0.4107, 0.4020



Tritanopia

20.3835, 0.3598, 0.3144

Trichromacy



Original Color

20.4740, 0.4120, 0.4016

Protanomaly

20.5274, 0.3943, 0.4105

Deuteranomaly

20.3771, 0.4107, 0.4020

Tritanomaly

20.3493, 0.3805, 0.3458

Monochromacy



Original Color

20.4740, 0.4120, 0.4016

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.1106, 0.3482, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4740, 0.4120, 0.4016 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(153, 119, 75)` looks like.

```
.text, #text, p{  
    color:rgb(153, 119, 75)  
}
```

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(153, 119, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 119, 75) }
```

Border

The CSS property to change the border of an element to Yxy 20.4740, 0.4120, 0.4016 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(153, 119, 75) }
```

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

```
.border{ border-color:rgb(153, 119, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 119, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 119, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 119, 75);  
box-shadow:4px 4px 4px 4px rgb(153, 119,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4740, 0.4120, 0.4016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 119, 75) }
```

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

```
.background{ background-color: rgb(153,  
119, 75) }
```

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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