

Converting Colors

$Y_{xy}(12.9666, 0.4200, 0.3530)$

Have a look what the booklet for
Yxy(12.9666, 0.4200, 0.3530)
contains.

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Color

Yxy(12.9764, 0.4194, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	8B584B
RGB	139, 88, 75
RGB Percent	55%, 35%, 29%
CMY	0.4550, 0.6548, 0.7059
CMYK	0.00, 0.37, 0.46, 0.45
HSL	12°, 30%, 42%
HSV	12°, 46%, 55%
XYZ	15.4042, 12.9764, 8.3485
YIQ	101.7670, 34.5690, 6.7690

Conversions

Conversions Part 2

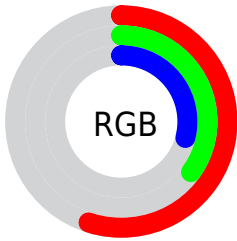
Format	Color
R_{YB}	139, 91, 75
Decimal	9132107
CIE Lab	42.73, 19.47, 16.29
CIE LCh	43, 25.385, 39.915
Yxy	12.9764, 0.4194, 0.3533
Android (android.graphics.Color)	4287322187 (0xFF8B584B)
YUV	101.7670, -13.1961, 32.6533
Hunter-Lab	36.0228, 13.2910, 11.4751

Details

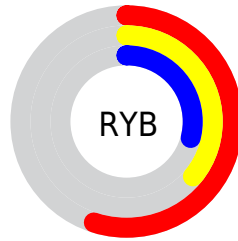
The Yxy color **12.9764, 0.4194, 0.3533** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.2697, 0.2484, 0.3023**, and the grayscale version is **13.2517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1015, 0.3916, 0.3483**, and **3.7333, 0.4722, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **11.1253, 0.4547, 0.3578**, and if you desaturate by 10%, it is **15.1464, 0.3886, 0.3480**.

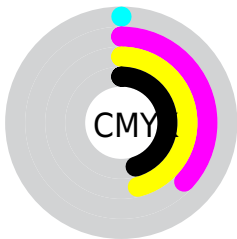
Distribution



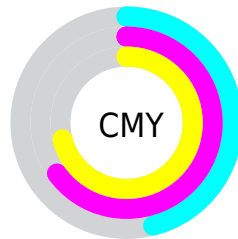
- Red (55%)
- Green (35%)
- Blue (29%)



- Red (55%)
- Yellow (36%)
- Blue (29%)



- Cyan (0%)
- Magenta (37%)
- Yellow (46%)
- Black (45%)




- Cyan (46%)
- Magenta (65%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9764, 0.4194, 0.3533 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 12.9764, 0.4194, 0.3533 by changing the saturation by 10% instead.


 12.9764, 0.4194,
0.3533


 12.9764, 0.4194,
0.3533


210.7664, 0.3544,
0.3408

 7.4123, 0.4412,
0.3558


 31.2614, 0.3921,
0.3490

 3.7213, 0.4737,
0.3579

 44.7510, 0.3831,
0.3472


 1.5189, 0.5389,
0.3659

 61.6514, 0.3758,
0.3458

 0.3020, 0.7163,
0.2837

 82.3467, 0.3700,
0.3445

 0.0000, 0.0000,
0.0000

 107.2215, 0.3651,
0.3434

136.6601, 0.3609,

0.3424

171.0469, 0.3574,
0.3416

■ 12.9764, 0.4194,
0.3533

■ 12.9764, 0.4194,
0.3533

■ 11.1253, 0.4547,
0.3578

■ 15.1464, 0.3886,
0.3480

■ 9.5760, 0.4935,
0.3607

■ 17.6474, 0.3625,
0.3425

■ 8.3127, 0.5336,
0.3613

■ 20.4934, 0.3405,
0.3371

■ 7.3173, 0.5712,
0.3586

■ 23.6969, 0.3222,
0.3319

■ 6.5685, 0.6022,
0.3529

■ 27.2697, 0.3070,
0.3271

■ 6.3309, 0.6136,
0.3510

■ 31.2232, 0.2943,
0.3227

■ 35.5682, 0.2837,
0.3187

■ 40.3151, 0.2748,
0.3151

■ 45.4740, 0.2673,
0.3117

Harmonies

Analogous

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



12.9764, 0.3922, 0.3111



12.9764, 0.4194, 0.3533



12.9764, 0.4144, 0.3939

Triad

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



12.9764, 0.4194, 0.3533



12.9764, 0.2784, 0.3941



12.9764, 0.2433, 0.2432

Complementary

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



12.9764, 0.4194, 0.3533



18.2697, 0.2484, 0.3023

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.



12.9764, 0.2189, 0.2558



12.9764, 0.4194, 0.3533



12.9764, 0.2373, 0.3411

Square

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



12.9764, 0.4194, 0.3533



12.9764, 0.3310, 0.4251



12.9764, 0.2166, 0.2898



12.9764, 0.2871, 0.2505

Rectangle

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



12.9764, 0.4194, 0.3533



12.9764, 0.3947, 0.4151



12.9764, 0.2166, 0.2898



12.9764, 0.2328, 0.2451

Sweetspot

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



12.9770, 0.4194, 0.3533



37.6613, 0.3371, 0.3362



12.0296, 0.3374, 0.2397



8.4350, 0.3409, 0.3372



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.



12.9770, 0.4194, 0.3533



19.8821, 0.4553, 0.3578



19.3756, 0.3925, 0.4088



5.2029, 0.3276, 0.3335



5.7372, 0.6129, 0.3516



0.0554, 0.5471, 0.4038

Inverse Universe

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



18.2697, 0.2484, 0.3023



30.5234, 0.2369, 0.2953



11.3984, 0.2364, 0.2327



5.5187, 0.2991, 0.3244



11.9114, 0.2067, 0.2642



0.0994, 0.2162, 0.2982

Previews

White Background



This preview shows how the Yxy color 12.9764, 0.4194, 0.3533 looks on a white 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

Black Background



This preview shows how the Yxy color 12.9764, 0.4194, 0.3533 looks on a black 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

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

Yxy 12.9764, 0.4194, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 12.9764, 0.4194, 0.3533.



This preview shows how white text looks on a background with the Yxy color 12.9764, 0.4194, 0.3533.

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

12.9764, 0.4194, 0.3533

Protanopia

13.0896, 0.3513, 0.3732

Deuteranopia

13.0235, 0.3848, 0.3790



Tritanopia

13.0037, 0.3933, 0.3182

Trichromacy



Original Color

12.9764, 0.4194, 0.3533

Protanomaly

12.8522, 0.3747, 0.3647

Deuteranomaly

13.0118, 0.3968, 0.3691

Tritanomaly

13.0637, 0.4031, 0.3311

Monochromacy



Original Color

12.9764, 0.4194, 0.3533

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9669, 0.3478, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9764, 0.4194, 0.3533 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(139, 88, 75)` looks like.

```
.text, #text, p{  
    color:rgb(139, 88, 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(139, 88, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 88, 75) }
```

Border

The CSS property to change the border of an element to Yxy 12.9764, 0.4194, 0.3533 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(139, 88, 75) }
```

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

```
.border{ border-color:rgb(139, 88, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 88, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 88, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 88, 75);  
box-shadow:4px 4px 4px 4px rgb(139, 88,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9764, 0.4194, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 88, 75) }
```

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

```
.background{ background-color: rgb(139, 88,  
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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