

Converting Colors

$Y_{xy}(20.2774, 0.4102, 0.3553)$

Have a look what the booklet for
Yxy(20.2774, 0.4102, 0.3553)
contains.

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Color

Yxy(20.2840, 0.4112, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	A66F5E
RGB	166, 111, 94
RGB Percent	65%, 44%, 37%
CMY	0.3490, 0.5647, 0.6315
CMYK	0.00, 0.33, 0.43, 0.35
HSL	14°, 29%, 51%
HSV	14°, 43%, 65%
XYZ	23.4292, 20.2840, 13.2644
YIQ	125.5070, 38.2370, 6.3730

Conversions

Conversions Part 2

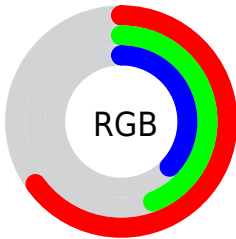
Format	Color
RYB	166, 116, 94
Decimal	10907486
CIELab	52.16, 19.72, 18.37
CIElCh	52, 26.951, 42.958
Yxy	20.2840, 0.4112, 0.3560
Android (android.graphics.Color)	4289097566 (0xFFA66F5E)
YUV	125.5070, -15.5330, 35.5124
Hunter-Lab	45.0378, 14.0417, 14.0645

Details

The Yxy color **20.2840, 0.4112, 0.3560** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.6150, 0.2502, 0.2994**, and the grayscale version is **20.7320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8960, 0.3893, 0.3519**, and **7.2132, 0.4514, 0.3621** is the 20% darker color. If you saturate the color by 10%, you get **17.4458, 0.4451, 0.3616**, and if you desaturate by 10%, it is **23.5807, 0.3817, 0.3497**.

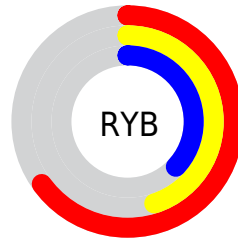
Distribution



Red (65%)

Green (44%)

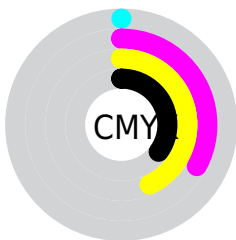
Blue (37%)



Red (65%)

Yellow (45%)

Blue (37%)

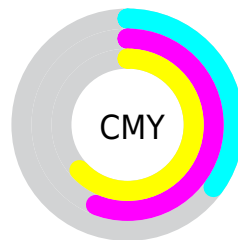


Cyan (0%)

Magenta (33%)

Yellow (43%)

Black (35%)



Cyan (35%)


Magenta (56%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2840, 0.4112, 0.3560 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 20.2840, 0.4112, 0.3560 by changing the saturation by 10% instead.


 20.2840, 0.4112,
0.3560


 20.2840, 0.4112,
0.3560


253.4484, 0.3547,
0.3426


 12.6017, 0.4281,
0.3589


 43.8928, 0.3887,
0.3513

 7.1548, 0.4518,
0.3620


 60.5881, 0.3809,
0.3495

 3.5591, 0.4867,
0.3646

 81.0564, 0.3745,
0.3479

 1.4301, 0.5699,
0.3817

 105.6823, 0.3692,
0.3466

 0.2388, 0.7479,
0.2521

134.8500, 0.3647,
0.3454

 0.0000, 0.0000,
0.0000

168.9440, 0.3609,

0.3444

208.3487, 0.3576,
0.3434

■ 20.2840, 0.4112,
0.3560

■ 20.2840, 0.4112,
0.3560

■ 17.4458, 0.4451,
0.3616

■ 23.5807, 0.3817,
0.3497

■ 15.0426, 0.4827,
0.3656

■ 27.3523, 0.3566,
0.3432

■ 13.0530, 0.5221,
0.3671


■ 31.6178, 0.3356,
0.3369


■ 11.4529, 0.5598,
0.3651

■ 36.3943, 0.3180,
0.3309

■ 10.2151, 0.5916,
0.3591

■ 41.6983, 0.3033,
0.3254

 9.5744, 0.6093,
0.3544

 47.5453, 0.2910,
0.3203

 53.9502, 0.2807,
0.3157

 60.9273, 0.2720,
0.3115

 68.4906, 0.2646,
0.3077

Harmonies

Analogous

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



20.2840, 0.3891, 0.3166



20.2840, 0.4112, 0.3560



20.2840, 0.4040, 0.3926

Triad

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



20.2840, 0.4112, 0.3560



20.2840, 0.2770, 0.3838



20.2840, 0.2523, 0.2497

Complementary

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



20.2840, 0.4112, 0.3560



26.6150, 0.2502, 0.2994

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.



20.2840, 0.2275, 0.2598



20.2840, 0.4112, 0.3560



20.2840, 0.2406, 0.3352

Square

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



20.2840, 0.4112, 0.3560



20.2840, 0.3249, 0.4148



20.2840, 0.2233, 0.2894



20.2840, 0.2943, 0.2581

Rectangle

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



20.2840, 0.4112, 0.3560



20.2840, 0.3847, 0.4105



20.2840, 0.2233, 0.2894



20.2840, 0.2419, 0.2509

Sweetspot

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



20.2850, 0.4112, 0.3560



57.5051, 0.3353, 0.3368



18.2839, 0.3393, 0.2465



12.4795, 0.3395, 0.3381



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.2850, 0.4112, 0.3560



31.8644, 0.4436, 0.3614



29.7166, 0.3872, 0.4088



7.8197, 0.3280, 0.3344



7.4873, 0.6077, 0.3556



0.2577, 0.5470, 0.4038

Inverse Universe

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



26.6150, 0.2502, 0.2994



44.8104, 0.2385, 0.2917



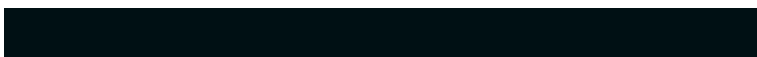
16.9824, 0.2392, 0.2332



8.2269, 0.2987, 0.3235



13.9281, 0.2034, 0.2522



0.4101, 0.2112, 0.2804

Previews

White Background



This preview shows how the Yxy color 20.2840, 0.4112, 0.3560 looks on a white background.

Color Contrast Check

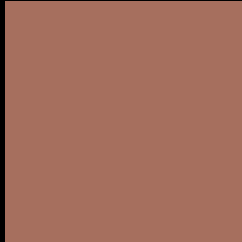
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2840, 0.4112, 0.3560 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 20.2840, 0.4112, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 20.2840, 0.4112, 0.3560.



This preview shows how white text looks on a background with the Yxy color 20.2840, 0.4112, 0.3560.

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

20.2840, 0.4112, 0.3560

Protanopia

20.4929, 0.3504, 0.3750

Deuteranopia

20.4087, 0.3825, 0.3775



Tritanopia

20.3109, 0.3847, 0.3168

Trichromacy



Original Color

20.2840, 0.4112, 0.3560

Protanomaly

20.2441, 0.3710, 0.3677

Deuteranomaly

20.3829, 0.3925, 0.3693

Tritanomaly

20.2355, 0.3942, 0.3308

Monochromacy



Original Color

20.2840, 0.4112, 0.3560

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5524, 0.3465, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2840, 0.4112, 0.3560 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(166, 111, 94)` looks like.

```
.text, #text, p{  
    color:rgb(166, 111, 94)  
}
```

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(166, 111, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 111, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.2840, 0.4112, 0.3560 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(166, 111, 94) }
```

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

```
.border{ border-color:rgb(166, 111, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 111, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 111, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 111, 94);  
box-shadow:4px 4px 4px 4px rgb(166, 111,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2840, 0.4112, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 111, 94) }
```

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

```
.background{ background-color: rgb(166,  
111, 94) }
```

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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