

Converting Colors

$Y_{xy}(20.3064, 0.4174, 0.3769)$

Have a look what the booklet for
Yxy(20.3064, 0.4174, 0.3769)
contains.

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Color

Yxy(20.3561, 0.4170, 0.3769)

Conversions

Conversions Part 1

Format	Color
Hex	A27254
RGB	162, 114, 84
RGB Percent	64%, 45%, 33%
CMY	0.3646, 0.5530, 0.6706
CMYK	0.00, 0.30, 0.48, 0.36
HSL	23°, 32%, 48%
HSV	23°, 48%, 64%
XYZ	22.5219, 20.3561, 11.1313
YIQ	124.9320, 38.2380, 0.8460

Conversions

Conversions Part 2

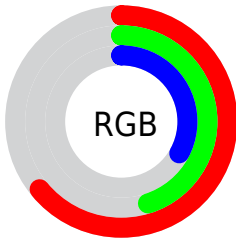
Format	Color
RYB	162, 133, 84
Decimal	10646100
CIELab	52.24, 15.28, 24.13
CIElCh	52, 28.562, 57.666
Yxy	20.3561, 0.4170, 0.3769
Android (android.graphics.Color)	4288836180 (0xFFA27254)
YUV	124.9320, -20.1795, 32.5086
Hunter-Lab	45.1177, 10.1476, 16.9546

Details

The Yxy color **20.3561, 0.4170, 0.3769** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.0087, 0.2403, 0.2738**, and the grayscale version is **20.5447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0537, 0.3937, 0.3678**, and **7.2245, 0.4588, 0.3908** is the 20% darker color. If you saturate the color by 10%, you get **18.0030, 0.4473, 0.3854**, and if you desaturate by 10%, it is **23.0154, 0.3895, 0.3671**.

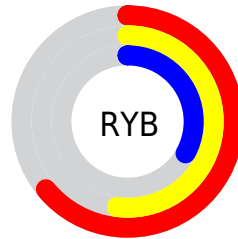
Distribution



Red (64%)

Green (45%)

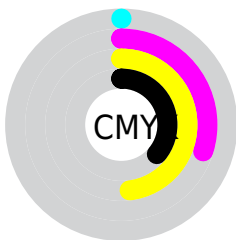
Blue (33%)



Red (64%)

Yellow (52%)

Blue (33%)

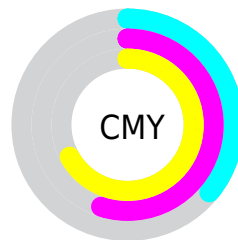


Cyan (0%)

Magenta (30%)

Yellow (48%)

Black (36%)



Cyan (36%)


Magenta (55%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3561, 0.4170, 0.3769 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 20.3561, 0.4170, 0.3769 by changing the saturation by 10% instead.


 20.3561, 0.4170,
0.3769


 20.3561, 0.4170,
0.3769


253.8364, 0.3576,
0.3521


 12.6542, 0.4344,
0.3828


 44.0134, 0.3935,
0.3679


 7.1908, 0.4584,
0.3898


 60.7376, 0.3853,
0.3645


 3.5817, 0.4926,
0.3972

 81.2379, 0.3786,
0.3616

 1.4425, 0.5754,
0.4246

 105.8989, 0.3730,
0.3591

 0.2477, 0.7107,
0.2893

 135.1048, 0.3682,
0.3570

 0.0000, 0.0000,
0.0000

169.2401, 0.3642,

0.3551

208.6892, 0.3607,
0.3535

■ 20.3561, 0.4170,
0.3769

■ 20.3561, 0.4170,
0.3769

■ 18.0030, 0.4473,
0.3854

■ 23.0154, 0.3895,
0.3671

■ 15.9411, 0.4795,
0.3915

■ 25.9891, 0.3651,
0.3567

■ 14.1585, 0.5118,
0.3940

■ 29.2888, 0.3439,
0.3465

■ 12.6413, 0.5418,
0.3918

■ 32.9245, 0.3257,
0.3366

■ 11.3702, 0.5676,
0.3851

■ 36.9058, 0.3100,
0.3273

■ 11.1586, 0.5723,
0.3837

■ 41.2419, 0.2966,
0.3187

■ 45.9416, 0.2851,
0.3108

■ 51.0133, 0.2752,
0.3036

■ 56.4653, 0.2667,
0.2970

Harmonies

Analogous

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



20.3561, 0.4088, 0.3358



20.3561, 0.4170, 0.3769



20.3561, 0.3950, 0.4107

Triad

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



20.3561, 0.4170, 0.3769



20.3561, 0.2539, 0.3628



20.3561, 0.2687, 0.2477

Complementary

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



20.3561, 0.4170, 0.3769



21.0087, 0.2403, 0.2738

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.



20.3561, 0.2332, 0.2483



20.3561, 0.4170, 0.3769



20.3561, 0.2250, 0.3100

Square

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



20.3561, 0.4170, 0.3769



20.3561, 0.2998, 0.4077



20.3561, 0.2180, 0.2691



20.3561, 0.3190, 0.2649

Rectangle

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



20.3561, 0.4170, 0.3769



20.3561, 0.3676, 0.4231



20.3561, 0.2180, 0.2691



20.3561, 0.2548, 0.2457

Sweetspot

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



20.3571, 0.4170, 0.3769



55.6433, 0.3365, 0.3426



15.6953, 0.3608, 0.2545



12.1972, 0.3404, 0.3446



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



20.3571, 0.4170, 0.3769



32.2928, 0.4503, 0.3861



31.0815, 0.3879, 0.4324



7.5115, 0.3276, 0.3377



8.8664, 0.5708, 0.3850



0.2761, 0.5068, 0.4358

Inverse Universe

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



21.0087, 0.2403, 0.2738



33.5747, 0.2257, 0.2585



12.3430, 0.2265, 0.1982



7.5518, 0.2987, 0.3202



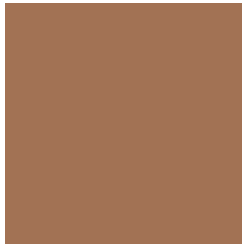
9.2816, 0.1890, 0.2005



0.2823, 0.2035, 0.2525

Previews

White Background



This preview shows how the Yxy color 20.3561, 0.4170, 0.3769 looks on a white background.

Color Contrast Check

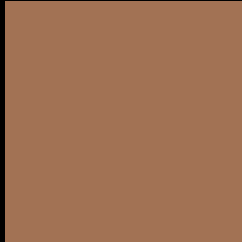
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3561, 0.4170, 0.3769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

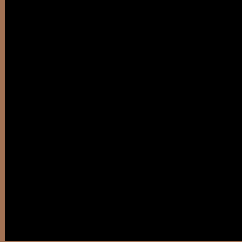
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3561, 0.4170, 0.3769

Background



This preview shows how black text looks on a background with the Yxy color 20.3561, 0.4170, 0.3769.



This preview shows how white text looks on a background with the Yxy color 20.3561, 0.4170, 0.3769.

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

20.3561, 0.4170, 0.3769

Protanopia

20.5394, 0.3673, 0.3944

Deuteranopia

20.3022, 0.3984, 0.3901



Tritanopia

20.4592, 0.3770, 0.3166

Trichromacy



Original Color

20.3561, 0.4170, 0.3769

Protanomaly

20.3826, 0.3854, 0.3882

Deuteranomaly

20.2171, 0.4053, 0.3856

Tritanomaly

20.3020, 0.3919, 0.3372

Monochromacy



Original Color

20.3561, 0.4170, 0.3769

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2038, 0.3476, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3561, 0.4170, 0.3769 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(162, 114, 84)` looks like.

```
.text, #text, p{  
    color:rgb(162, 114, 84)  
}
```

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(162, 114, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 114, 84) }
```

Border

The CSS property to change the border of an element to Yxy 20.3561, 0.4170, 0.3769 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(162, 114, 84) }
```

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

```
.border{ border-color:rgb(162, 114, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 114, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 114, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 114, 84);  
box-shadow:4px 4px 4px 4px rgb(162, 114,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3561, 0.4170, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 114, 84) }
```

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

```
.background{ background-color: rgb(162,  
114, 84) }
```

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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