

Converting Colors

$Y_{xy}(20.1753, 0.4317, 0.3847)$

Have a look what the booklet for
Yxy(20.1753, 0.4317, 0.3847)
contains.

Yxy(20.1095, 0.4328, 0.3849)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.1095, 0.4328, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	A5704C
RGB	165, 112, 76
RGB Percent	65%, 44%, 30%
CMY	0.3530, 0.5607, 0.7020
CMYK	0.00, 0.32, 0.54, 0.35
HSL	24°, 37%, 47%
HSV	24°, 54%, 65%
XYZ	22.6121, 20.1095, 9.5245
YIQ	123.7430, 43.1440, 0.0400

Conversions

Conversions Part 2

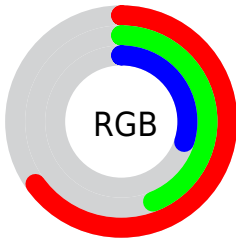
Format	Color
RYB	165, 136, 76
Decimal	10842188
CIELab	51.96, 16.88, 28.39
CIElCh	52, 33.032, 59.265
Yxy	20.1095, 0.4328, 0.3849
Android (android.graphics.Color)	4289032268 (0xFFA5704C)
YUV	123.7430, -23.5373, 36.1824
Hunter-Lab	44.8436, 11.5311, 18.7978

Details

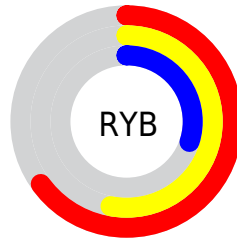
The Yxy color **20.1095, 0.4328, 0.3849** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.9389, 0.2316, 0.2622**, and the grayscale version is **20.1351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5612, 0.4061, 0.3756**, and **7.0807, 0.4780, 0.3977** is the 20% darker color. If you saturate the color by 10%, you get **17.8595, 0.4636, 0.3926**, and if you desaturate by 10%, it is **22.6567, 0.4042, 0.3752**.

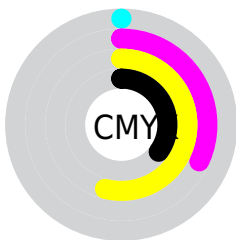
Distribution



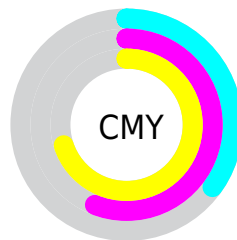
- Red (65%)
- Green (44%)
- Blue (30%)



- Red (65%)
- Yellow (53%)
- Blue (30%)



- Cyan (0%)
- Magenta (32%)
- Yellow (54%)
- Black (35%)





- Cyan (35%)
- Magenta (56%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1095, 0.4328, 0.3849 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 20.1095, 0.4328, 0.3849 by changing the saturation by 10% instead.


 20.1095, 0.4328,
0.3849


 20.1095, 0.4328,
0.3849

252.5073, 0.3646,
0.3564


 12.4747, 0.4525,
0.3912

 43.6007, 0.4060,
0.3748


 7.0678, 0.4790,
0.3982


 60.2258, 0.3966,
0.3709

 3.5045, 0.5177,
0.4057

 80.6165, 0.3888,
0.3676

 1.4005, 0.5848,
0.4152

 105.1572, 0.3823,
0.3647

 0.2171, 0.7402,
0.2598

 134.2322, 0.3769,
0.3622

 0.0000, 0.0000,
0.0000

168.2260, 0.3722,

0.3601

207.5229, 0.3682,
0.3581

■ 20.1095, 0.4328,
0.3849

■ 20.1095, 0.4328,
0.3849

■ 17.8595, 0.4636,
0.3926

■ 22.6567, 0.4042,
0.3752

■ 15.8915, 0.4951,
0.3972

■ 25.5093, 0.3784,
0.3645

■ 14.1933, 0.5254,
0.3974

■ 28.6791, 0.3556,
0.3536

■ 12.7502, 0.5520,
0.3925

■ 32.1760, 0.3358,
0.3430

■ 11.9869, 0.5669,
0.3881

■ 36.0097, 0.3188,
0.3328

■ 40.1894, 0.3041,
0.3233

■ 44.7237, 0.2915,
0.3146

■ 49.6213, 0.2806,
0.3065

■ 54.8902, 0.2713,
0.2991

Harmonies

Analogous

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



20.1095, 0.4259, 0.3381



20.1095, 0.4328, 0.3849



20.1095, 0.4049, 0.4241

Triad

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



20.1095, 0.4328, 0.3849



20.1095, 0.2422, 0.3648



20.1095, 0.2644, 0.2368

Complementary

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



20.1095, 0.4328, 0.3849



19.9389, 0.2316, 0.2622

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.



20.1095, 0.2232, 0.2359



20.1095, 0.4328, 0.3849



20.1095, 0.2111, 0.3030

Square

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



20.1095, 0.4328, 0.3849



20.1095, 0.2938, 0.4197



20.1095, 0.2048, 0.2575



20.1095, 0.3229, 0.2574

Rectangle

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



20.1095, 0.4328, 0.3849



20.1095, 0.3723, 0.4389



20.1095, 0.2048, 0.2575



20.1095, 0.2483, 0.2342

Sweetspot

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



20.1105, 0.4328, 0.3849



56.1147, 0.3402, 0.3454



14.7592, 0.3716, 0.2483



11.9986, 0.3440, 0.3475



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.



20.1105, 0.4328, 0.3849



31.1576, 0.4707, 0.3940



32.3223, 0.3956, 0.4452



7.5348, 0.3275, 0.3381



9.1638, 0.5651, 0.3895



0.2840, 0.5026, 0.4391

Inverse Universe

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



19.9389, 0.2316, 0.2622



30.7561, 0.2159, 0.2436



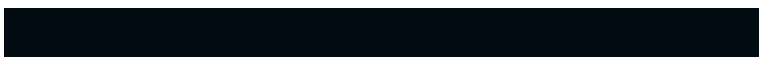
10.7307, 0.2143, 0.1767



7.5278, 0.2987, 0.3197



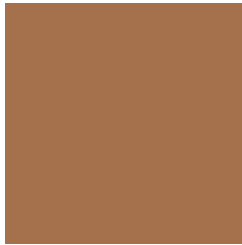
8.7914, 0.1870, 0.1933



0.2740, 0.2023, 0.2481

Previews

White Background



This preview shows how the Yxy color 20.1095, 0.4328, 0.3849 looks on a white background.

Color Contrast Check

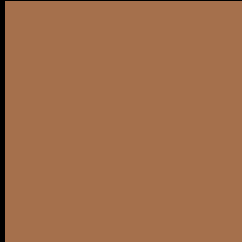
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1095, 0.4328, 0.3849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

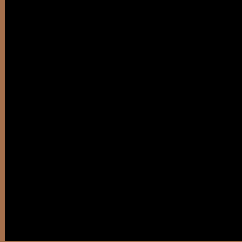
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1095, 0.4328, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 20.1095, 0.4328, 0.3849.



This preview shows how white text looks on a background with the Yxy color 20.1095, 0.4328, 0.3849.

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

20.1095, 0.4328, 0.3849

Protanopia

20.1603, 0.3772, 0.4070

Deuteranopia

20.2810, 0.4094, 0.4024



Tritanopia

20.0780, 0.3866, 0.3168

Trichromacy



Original Color

20.1095, 0.4328, 0.3849

Protanomaly

20.1084, 0.3971, 0.3996

Deuteranomaly

20.0667, 0.4186, 0.3958

Tritanomaly

20.0924, 0.4041, 0.3418

Monochromacy



Original Color

20.1095, 0.4328, 0.3849

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9834, 0.3530, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1095, 0.4328, 0.3849 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(165, 112, 76)` looks like.

```
.text, #text, p{  
    color:rgb(165, 112, 76)  
}
```

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(165, 112, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 112, 76) }
```

Border

The CSS property to change the border of an element to Yxy 20.1095, 0.4328, 0.3849 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(165, 112, 76) }
```

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

```
.border{ border-color:rgb(165, 112, 76) }
```

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

Here you see how a box with a 4 pixel rgb(165, 112, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 112, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 112, 76);  
box-shadow:4px 4px 4px 4px rgb(165, 112,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1095, 0.4328, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 112, 76) }
```

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

```
.background{ background-color: rgb(165,  
112, 76) }
```

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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