

Converting Colors

$Y_{xy}(21.0443, 0.4466, 0.4109)$

Have a look what the booklet for
Yxy(21.0443, 0.4466, 0.4109)
contains.

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Color

Yxy(20.9347, 0.4473, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	A6743D
RGB	166, 116, 61
RGB Percent	65%, 45%, 24%
CMY	0.3491, 0.5451, 0.7608
CMYK	0.00, 0.30, 0.63, 0.35
HSL	31°, 46%, 45%
HSV	31°, 63%, 65%
XYZ	22.8114, 20.9347, 7.2519
YIQ	124.6800, 47.4550, -6.5050

Conversions

Conversions Part 2

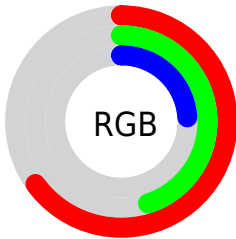
Format	Color
R_{YB}	156, 166, 61
Decimal	10908733
CIE _{Lab}	52.88, 13.84, 37.68
CIE _{LCh}	53, 40.145, 69.839
Yxy	20.9347, 0.4473, 0.4105
Android (android.graphics.Color)	4289098813 (0xFFA6743D)
YUV	124.6800, -31.3942, 36.2376
Hunter-Lab	45.7545, 8.9230, 22.6309

Details

The Yxy color **20.9347, 0.4473, 0.4105** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.1063, 0.2136, 0.2228**, and the grayscale version is **20.4908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9783, 0.4191, 0.3964**, and **7.4783, 0.4919, 0.4293** is the 20% darker color. If you saturate the color by 10%, you get **19.0388, 0.4732, 0.4179**, and if you desaturate by 10%, it is **23.0430, 0.4214, 0.3999**.

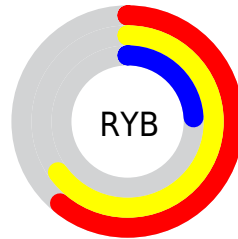
Distribution



Red (65%)

Green (45%)

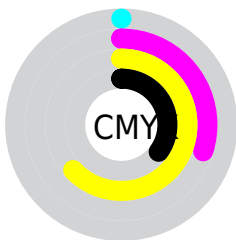
Blue (24%)



Red (61%)

Yellow (65%)

Blue (24%)

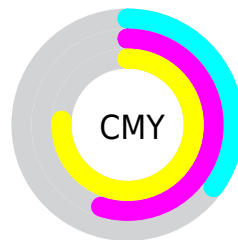


Cyan (0%)

Magenta (30%)

Yellow (63%)

Black (35%)



Cyan (35%)


Magenta (55%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9347, 0.4473, 0.4105 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 20.9347, 0.4473, 0.4105 by changing the saturation by 10% instead.


 20.9347, 0.4473,
0.4105


 20.9347, 0.4473,
0.4105


256.9313, 0.3727,
0.3693


 13.0763, 0.4673,
0.4192


 44.9788, 0.4189,
0.3962

 7.4811, 0.4928,
0.4284


 61.9333, 0.4085,
0.3905

 3.7648, 0.5387,
0.4467

 82.6886, 0.3999,
0.3857

 1.5429, 0.5660,
0.4340

 107.6292, 0.3927,
0.3815

 0.3186, 0.6678,
0.3322

 137.1393, 0.3866,
0.3778

 0.0000, 0.0000,
0.0000

 171.6034, 0.3813,

0.3746

211.4059, 0.3768,
0.3718

■ 20.9347, 0.4473,
0.4105

■ 20.9347, 0.4473,
0.4105

■ 19.0388, 0.4732,
0.4179

■ 23.0430, 0.4214,
0.3999

■ 17.3431, 0.4977,
0.4209

■ 25.3688, 0.3966,
0.3873

■ 15.8381, 0.5192,
0.4188

■ 27.9210, 0.3736,
0.3736

■ 14.9188, 0.5326,
0.4153

■ 30.7068, 0.3527,
0.3597

■ 33.7331, 0.3341,
0.3461

■ 37.0062, 0.3176,
0.3331

■ 40.5325, 0.3032,
0.3209

■ 44.3179, 0.2905,
0.3095

■ 48.3681, 0.2794,
0.2990

Harmonies

Analogous

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



20.9347, 0.4562, 0.3569



20.9347, 0.4473, 0.4105



20.9347, 0.4011, 0.4527

Triad

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



20.9347, 0.4473, 0.4105



20.9347, 0.2129, 0.3439



20.9347, 0.2775, 0.2275

Complementary

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



20.9347, 0.4473, 0.4105



15.1063, 0.2136, 0.2228

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.



20.9347, 0.2214, 0.2175



20.9347, 0.4473, 0.4105



20.9347, 0.1877, 0.2744

Square

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



20.9347, 0.4473, 0.4105



20.9347, 0.2654, 0.4196



20.9347, 0.1910, 0.2319



20.9347, 0.3510, 0.2580

Rectangle

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



20.9347, 0.4473, 0.4105



20.9347, 0.3578, 0.4639



20.9347, 0.1910, 0.2319



20.9347, 0.2562, 0.2217

Sweetspot

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



20.9357, 0.4473, 0.4105



57.8306, 0.3452, 0.3543



12.6062, 0.4099, 0.2545



12.6087, 0.3505, 0.3581



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.



20.9357, 0.4473, 0.4105



33.2366, 0.4837, 0.4197



35.5224, 0.3975, 0.4733



8.1684, 0.3273, 0.3408



11.6649, 0.5313, 0.4164



0.3852, 0.4853, 0.4529

Inverse Universe

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



15.1063, 0.2136, 0.2228



21.8069, 0.1955, 0.1942



7.1375, 0.1938, 0.1307



7.8675, 0.2987, 0.3169



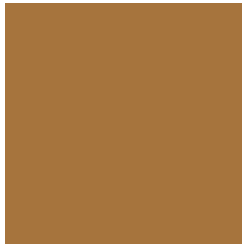
6.5652, 0.1758, 0.1528



0.2627, 0.1933, 0.2159

Previews

White Background



This preview shows how the Yxy color 20.9347, 0.4473, 0.4105 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 20.9347, 0.4473, 0.4105 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 20.9347, 0.4473, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 20.9347, 0.4473, 0.4105.



This preview shows how white text looks on a background with the Yxy color 20.9347, 0.4473, 0.4105.

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

20.9347, 0.4473, 0.4105

Protanopia

21.1244, 0.3997, 0.4368

Deuteranopia

20.8271, 0.4314, 0.4229



Tritanopia

21.0059, 0.3836, 0.3169

Trichromacy



Original Color

20.9347, 0.4473, 0.4105

Protanomaly

20.9144, 0.4162, 0.4272

Deuteranomaly

20.9935, 0.4375, 0.4192

Tritanomaly

20.8864, 0.4103, 0.3525

Monochromacy



Original Color

20.9347, 0.4473, 0.4105

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.4538, 0.3597, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9347, 0.4473, 0.4105 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, 116, 61)` looks like.

```
.text, #text, p{  
    color:rgb(166, 116, 61)  
}
```

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, 116, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 116, 61) }
```

Border

The CSS property to change the border of an element to Yxy 20.9347, 0.4473, 0.4105 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, 116, 61) }
```

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

```
.border{ border-color:rgb(166, 116, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 116, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 116, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 116, 61);  
box-shadow:4px 4px 4px 4px rgb(166, 116,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9347, 0.4473, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 116, 61) }
```

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

```
.background{ background-color: rgb(166,  
116, 61) }
```

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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