

Converting Colors

$Y_{xy}(20.3330, 0.4091, 0.3694)$

Have a look what the booklet for
Yxy(20.3330, 0.4091, 0.3694)
contains.

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Color

Yxy(20.3330, 0.4091, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	A17259
RGB	161, 114, 89
RGB Percent	63%, 45%, 35%
CMY	0.3686, 0.5529, 0.6509
CMYK	0.00, 0.29, 0.45, 0.37
HSL	21°, 29%, 49%
HSV	21°, 45%, 63%
XYZ	22.5182, 20.3330, 12.1921
YIQ	125.2030, 36.0370, 2.1890

Conversions

Conversions Part 2

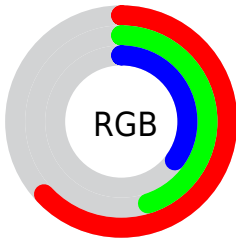
Format	Color
R_{YB}	161, 127, 89
Decimal	10580569
CIE _{Lab}	52.21, 15.37, 21.21
CIE _{LCh}	52, 26.193, 54.066
Yxy	20.3330, 0.4091, 0.3694
Android (android.graphics.Color)	4288770649 (0xFFA17259)
YUV	125.2030, -17.8481, 31.3940
Hunter-Lab	45.0921, 10.2286, 15.5335

Details

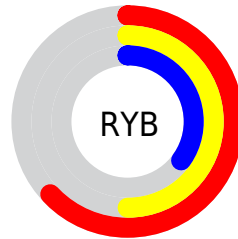
The Yxy color **20.3330, 0.4091, 0.3694** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.3073, 0.2461, 0.2836**, and the grayscale version is **20.6333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8882, 0.3870, 0.3620**, and **7.1966, 0.4476, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **17.8559, 0.4398, 0.3776**, and if you desaturate by 10%, it is **23.1437, 0.3818, 0.3603**.

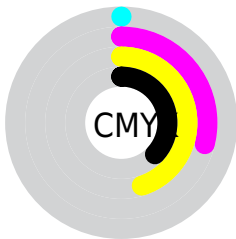
Distribution



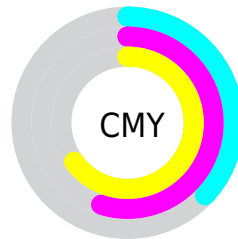
- Red (63%)
- Green (45%)
- Blue (35%)



- Red (63%)
- Yellow (50%)
- Blue (35%)



- Cyan (0%)
- Magenta (29%)
- Yellow (45%)
- Black (37%)





- Cyan (37%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3330, 0.4091, 0.3694 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 20.3330, 0.4091, 0.3694 by changing the saturation by 10% instead.


 20.3330, 0.4091,
0.3694


 20.3330, 0.4091,
0.3694


253.7122, 0.3540,
0.3484


 12.6373, 0.4255,
0.3745

 43.9748, 0.3872,
0.3617

 7.1793, 0.4481,
0.3806


 60.6897, 0.3796,
0.3589

 3.5745, 0.4812,
0.3873

 81.1798, 0.3734,
0.3564

 1.4385, 0.5760,
0.4240

 105.8295, 0.3682,
0.3543

 0.2448, 0.7129,
0.2871

 135.0232, 0.3638,
0.3525

 0.0000, 0.0000,
0.0000

169.1453, 0.3601,

0.3510

208.5801, 0.3569,
0.3496

■ 20.3330, 0.4091,
0.3694

■ 20.3330, 0.4091,
0.3694

■ 17.8559, 0.4398,
0.3776

■ 23.1437, 0.3818,
0.3603

■ 15.6963, 0.4730,
0.3838

■ 26.2974, 0.3580,
0.3509

■ 13.8413, 0.5072,
0.3869


■ 29.8066, 0.3375,
0.3417

■ 12.2754, 0.5400,
0.3858


■ 33.6824, 0.3200,
0.3329


■ 10.9816, 0.5684,
0.3798


■ 37.9353, 0.3051,
0.3248

 10.3948, 0.5823,
0.3758

 42.5754, 0.2925,
0.3172

 47.6125, 0.2816,
0.3103

 53.0559, 0.2724,
0.3040

 58.9146, 0.2644,
0.2982

Harmonies

Analogous

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



20.3330, 0.3979, 0.3311



20.3330, 0.4091, 0.3694



20.3330, 0.3923, 0.4015

Triad

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



20.3330, 0.4091, 0.3694



20.3330, 0.2631, 0.3656



20.3330, 0.2675, 0.2528

Complementary

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



20.3330, 0.4091, 0.3694



22.3073, 0.2461, 0.2836

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.



20.3330, 0.2365, 0.2558



20.3330, 0.4091, 0.3694



20.3330, 0.2339, 0.3174

Square

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



20.3330, 0.4091, 0.3694



20.3330, 0.3068, 0.4041



20.3330, 0.2248, 0.2778



20.3330, 0.3127, 0.2670

Rectangle

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



20.3330, 0.4091, 0.3694



20.3330, 0.3686, 0.4141



20.3330, 0.2248, 0.2778



20.3330, 0.2552, 0.2518

Sweetspot

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



20.3340, 0.4091, 0.3694



54.3603, 0.3348, 0.3404



16.5300, 0.3507, 0.2544



11.6174, 0.3387, 0.3422



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.3340, 0.4091, 0.3694



31.8543, 0.4407, 0.3778



29.7925, 0.3848, 0.4207



7.4694, 0.3277, 0.3369



8.3726, 0.5808, 0.3770



0.2617, 0.5150, 0.4293

Inverse Universe

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



22.3073, 0.2461, 0.2836



35.8164, 0.2323, 0.2709



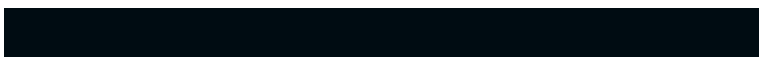
14.0073, 0.2346, 0.2160



7.5952, 0.2987, 0.3210



10.2191, 0.1927, 0.2135



0.2978, 0.2056, 0.2603

Previews

White Background



This preview shows how the Yxy color 20.3330, 0.4091, 0.3694 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 20.3330, 0.4091, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

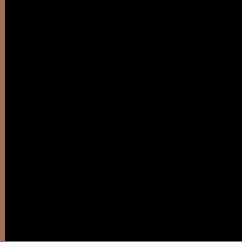
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3330, 0.4091, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 20.3330, 0.4091, 0.3694.



This preview shows how white text looks on a background with the Yxy color 20.3330, 0.4091, 0.3694.

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

20.3330, 0.4091, 0.3694

Protanopia

20.5437, 0.3601, 0.3856

Deuteranopia

20.5271, 0.3902, 0.3837



Tritanopia

20.3524, 0.3757, 0.3165

Trichromacy



Original Color

20.3330, 0.4091, 0.3694

Protanomaly

20.3767, 0.3779, 0.3799

Deuteranomaly

20.4338, 0.3969, 0.3794

Tritanomaly

20.2169, 0.3892, 0.3356

Monochromacy



Original Color

20.3330, 0.4091, 0.3694

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.2479, 0.3451, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3330, 0.4091, 0.3694 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(161, 114, 89)` looks like.

```
.text, #text, p{  
    color:rgb(161, 114, 89)  
}
```

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(161, 114, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 114, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.3330, 0.4091, 0.3694 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(161, 114, 89) }
```

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

```
.border{ border-color:rgb(161, 114, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 114, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 114, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 114, 89);  
box-shadow:4px 4px 4px 4px rgb(161, 114,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3330, 0.4091, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 114, 89) }
```

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

```
.background{ background-color: rgb(161,  
114, 89) }
```

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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