

Converting Colors

$Y_{xy}(17.0456, 0.4151, 0.3293)$

Have a look what the booklet for
Yxy(17.0456, 0.4151, 0.3293)
contains.

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Color

Yxy(16.9968, 0.4146, 0.3293)

Conversions

Conversions Part 1

Format	Color
Hex	A36060
RGB	163, 96, 96
RGB Percent	64%, 38%, 38%
CMY	0.3608, 0.6235, 0.6235
CMYK	0.00, 0.41, 0.41, 0.36
HSL	0°, 27%, 51%
HSV	0°, 41%, 64%
XYZ	21.3996, 16.9968, 13.2186
YIQ	116.0330, 39.9320, 14.2040

Conversions

Conversions Part 2

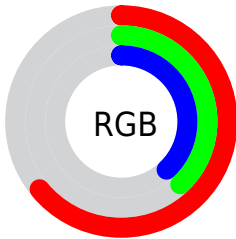
Format	Color
R_{YB}	163, 96, 96
Decimal	10707040
CIE _{Lab}	48.26, 27.21, 11.76
CIE _{LCh}	48, 29.641, 23.364
Yxy	16.9968, 0.4146, 0.3293
Android (android.graphics.Color)	4288897120 (0xFFA36060)
YUV	116.0330, -9.8763, 41.1901
Hunter-Lab	41.2272, 20.5054, 9.8490

Details

The Yxy color **16.9968, 0.4146, 0.3293** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.3278, 0.2575, 0.3288**, and the grayscale version is **17.4977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4708, 0.3905, 0.3317**, and **5.5954, 0.4612, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **14.0556, 0.4544, 0.3294**, and if you desaturate by 10%, it is **20.6187, 0.3812, 0.3292**.

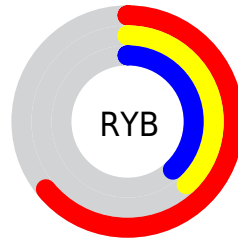
Distribution



Red (64%)

Green (38%)

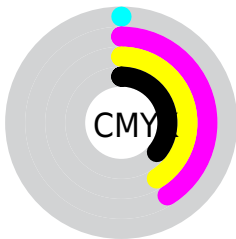
Blue (38%)



Red (64%)

Yellow (38%)

Blue (38%)

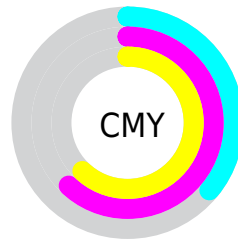


Cyan (0%)

Magenta (41%)

Yellow (41%)

Black (36%)



Cyan (36%)


Magenta (62%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9968, 0.4146, 0.3293 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 16.9968, 0.4146, 0.3293 by changing the saturation by 10% instead.


 16.9968, 0.4146,
0.3293


 16.9968, 0.4146,
0.3293

235.1539, 0.3546,
0.3308

 10.2322, 0.4335,
0.3279


 38.3203, 0.3901,
0.3305


 5.5532, 0.4608,
0.3250

 53.6479, 0.3818,
0.3307

 2.5753, 0.5031,
0.3186

 72.5988, 0.3751,
0.3308

 0.9143, 0.6153,
0.3234

 95.5571, 0.3696,
0.3309

 0.0000, 1.0000,
0.0000

122.9074, 0.3649,
0.3309

 0.0000, 0.0000,
0.0000

155.0341, 0.3610,

0.3309

192.3214, 0.3576,
0.3309

■ 16.9968, 0.4146,
0.3293

■ 16.9968, 0.4146,
0.3293

■ 14.0556, 0.4544,
0.3294

■ 20.6187, 0.3812,
0.3292

■ 11.7501, 0.4996,
0.3296

■ 24.9573, 0.3539,
0.3291

■ 10.0343, 0.5468,
0.3297


■ 30.0493, 0.3320,
0.3291


■ 8.8547, 0.5898,
0.3298

■ 35.9279, 0.3144,
0.3290

■ 8.1481, 0.6216,
0.3299


■ 42.6247, 0.3003,
0.3290

 7.7875, 0.6401,
0.3300

 50.1691, 0.2889,
0.3289

 58.5895, 0.2797,
0.3289

 67.9126, 0.2721,
0.3289

 78.1643, 0.2659,
0.3289

Harmonies

Analogous

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



16.9968, 0.3698, 0.2874



16.9968, 0.4146, 0.3293



16.9968, 0.4283, 0.3743

Triad

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



16.9968, 0.4146, 0.3293



16.9968, 0.3061, 0.4216



16.9968, 0.2220, 0.2425

Complementary

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



16.9968, 0.4146, 0.3293



31.3278, 0.2575, 0.3288

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.



16.9968, 0.2090, 0.2680



16.9968, 0.4146, 0.3293



16.9968, 0.2542, 0.3746

Square

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



16.9968, 0.4146, 0.3293



16.9968, 0.3625, 0.4344



16.9968, 0.2198, 0.3154



16.9968, 0.2575, 0.2392

Rectangle

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



16.9968, 0.4146, 0.3293



16.9968, 0.4182, 0.4019



16.9968, 0.2198, 0.3154



16.9968, 0.2151, 0.2484

Sweetspot

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



16.9976, 0.4146, 0.3293



52.7254, 0.3342, 0.3291



18.7974, 0.3173, 0.2303



11.5793, 0.3367, 0.3291



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.



16.9976, 0.4146, 0.3293



25.7400, 0.4493, 0.3294



24.4652, 0.3923, 0.3819



7.0860, 0.3285, 0.3290



6.0517, 0.6401, 0.3300



0.1272, 0.6401, 0.3300

Inverse Universe

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



31.3278, 0.2575, 0.3288



54.8310, 0.2487, 0.3288



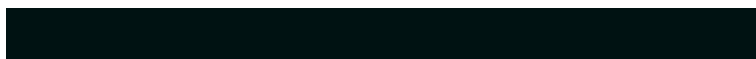
20.9647, 0.2481, 0.2688



8.0112, 0.2988, 0.3290



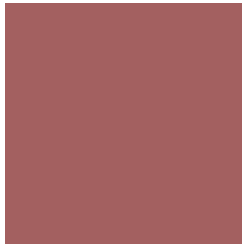
22.4118, 0.2247, 0.3287



0.4709, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 16.9968, 0.4146, 0.3293 looks on a white background.

Color Contrast Check

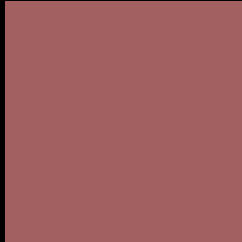
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.9968, 0.4146, 0.3293 looks on a black 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

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

Yxy 16.9968, 0.4146, 0.3293

Background



This preview shows how black text looks on a background with the Yxy color 16.9968, 0.4146, 0.3293.

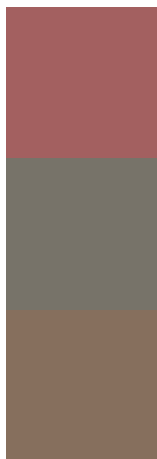


This preview shows how white text looks on a background with the Yxy color 16.9968, 0.4146, 0.3293.

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

16.9968, 0.4146, 0.3293

Protanopia

17.2033, 0.3303, 0.3488

Deuteranopia

17.2275, 0.3684, 0.3628



Tritanopia

17.0362, 0.4071, 0.3182

Trichromacy



Original Color

16.9968, 0.4146, 0.3293

Protanomaly

16.8353, 0.3588, 0.3403

Deuteranomaly

17.1360, 0.3856, 0.3505

Tritanomaly

16.9970, 0.4103, 0.3213

Monochromacy



Original Color

16.9968, 0.4146, 0.3293

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.0280, 0.3460, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9968, 0.4146, 0.3293 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(163, 96, 96)` looks like.

```
.text, #text, p{  
  color:rgb(163, 96, 96)  
}
```

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(163, 96, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 96, 96) }
```

Border

The CSS property to change the border of an element to Yxy 16.9968, 0.4146, 0.3293 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(163, 96, 96) }
```

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

```
.border{ border-color:rgb(163, 96, 96) }
```

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

Here you see how a box with a 4 pixel rgb(163, 96, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 96, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 96, 96);  
box-shadow:4px 4px 4px 4px rgb(163, 96,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9968, 0.4146, 0.3293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 96, 96) }
```

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

```
.background{ background-color: rgb(163, 96,  
96) }
```

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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