

Converting Colors

$Y_{xy}(17.5890, 0.4255, 0.3500)$

Have a look what the booklet for
Yxy(17.5890, 0.4255, 0.3500)
contains.

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Color

Yxy(17.5890, 0.4255, 0.3500)

Conversions

Conversions Part 1	
Format	Color
Hex	A36457
RGB	163, 100, 87
RGB Percent	64%, 39%, 34%
CMY	0.3607, 0.6078, 0.6589
CMYK	0.00, 0.39, 0.47, 0.36
HSL	10°, 30%, 49%
HSV	10°, 47%, 64%
XYZ	21.3832, 17.5890, 11.2821
YIQ	117.3550, 41.7210, 9.3130

Conversions

Conversions Part 2

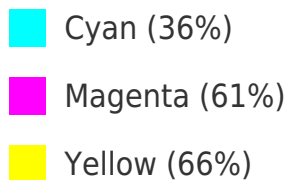
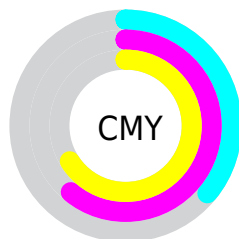
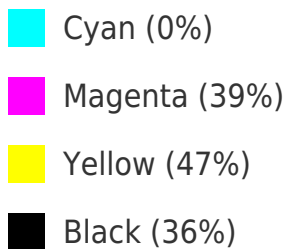
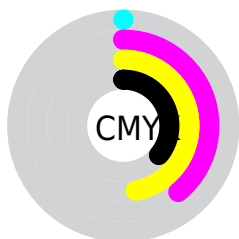
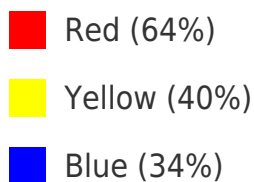
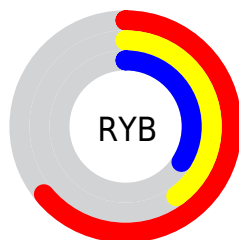
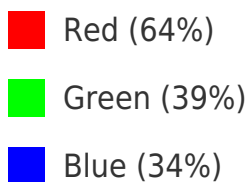
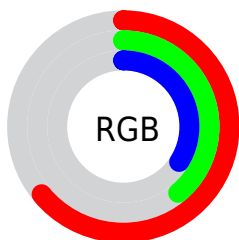
Format	Color
RYB	163, 103, 87
Decimal	10708055
CIELab	48.99, 23.95, 18.12
CIELCh	49, 30.035, 37.107
Yxy	17.5890, 0.4255, 0.3500
Android (android.graphics.Color)	4288898135 (0xFFA36457)
YUV	117.3550, -14.9650, 40.0307
Hunter-Lab	41.9392, 17.6166, 13.4078

Details

The Yxy color **17.5890, 0.4255, 0.3500** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.4836, 0.2478, 0.3059**, and the grayscale version is **17.9429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4783, 0.3983, 0.3474**, and **5.8113, 0.4734, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **14.9724, 0.4630, 0.3536**, and if you desaturate by 10%, it is **20.6974, 0.3929, 0.3456**.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5890, 0.4255, 0.3500 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 17.5890, 0.4255, 0.3500 by changing the saturation by 10% instead.


 17.5890, 0.4255,
0.3500


 17.5890, 0.4255,
0.3500


238.5441, 0.3595,
0.3403


 10.6553, 0.4459,
0.3515


 39.3357, 0.3988,
0.3470

 5.8356, 0.4749,
0.3523


 54.9176, 0.3896,
0.3456


 2.7454, 0.5186,
0.3506


 74.1509, 0.3822,
0.3445

 1.0003, 0.6345,
0.3655

 97.4202, 0.3761,
0.3434

 0.0000, 1.0000,
0.0000


 125.1097, 0.3709,
0.3425


 0.0000, 0.0000,
0.0000


157.6040, 0.3666,

0.3417


195.2873, 0.3628,
0.3410


 17.5890, 0.4255,
0.3500


 17.5890, 0.4255,
0.3500

 14.9724, 0.4630,
0.3536


 20.6974, 0.3929,
0.3456


 12.8197, 0.5040,
0.3557


 24.3183, 0.3653,
0.3409


 11.1042, 0.5457,
0.3555


 28.4747, 0.3424,
0.3362

 9.7953, 0.5835,
0.3523

 33.1871, 0.3234,
0.3318

 8.8568, 0.6128,
0.3465

 38.4750, 0.3078,
0.3277

 8.6135, 0.6213,
0.3448

 44.3572, 0.2948,
0.3239

 50.8512, 0.2841,
0.3204

 57.9741, 0.2751,
0.3173

 65.7423, 0.2676,
0.3145

Harmonies

Analogous

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



17.5890, 0.3935, 0.3057



17.5890, 0.4255, 0.3500



17.5890, 0.4231, 0.3938

Triad

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



17.5890, 0.4255, 0.3500



17.5890, 0.2807, 0.4035



17.5890, 0.2355, 0.2382

Complementary

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



17.5890, 0.4255, 0.3500



26.4836, 0.2478, 0.3059

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.



17.5890, 0.2119, 0.2533



17.5890, 0.4255, 0.3500



17.5890, 0.2356, 0.3473

Square

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



17.5890, 0.4255, 0.3500



17.5890, 0.3371, 0.4335



17.5890, 0.2117, 0.2912



17.5890, 0.2802, 0.2443

Rectangle

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



17.5890, 0.4255, 0.3500



17.5890, 0.4036, 0.4178



17.5890, 0.2117, 0.2912



17.5890, 0.2252, 0.2408

Sweetspot

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



17.5899, 0.4255, 0.3500



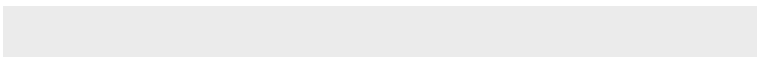
52.9021, 0.3376, 0.3351



16.8153, 0.3347, 0.2341



11.5073, 0.3418, 0.3361



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.



17.5899, 0.4255, 0.3500



26.6396, 0.4645, 0.3538



26.5584, 0.3967, 0.4073



7.2729, 0.3281, 0.3329



6.7415, 0.6200, 0.3459



0.1935, 0.5643, 0.3902

Inverse Universe

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



26.4836, 0.2478, 0.3059



44.4909, 0.2364, 0.2999



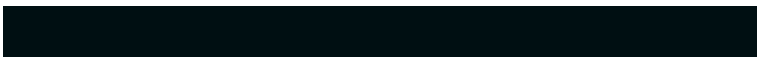
16.3316, 0.2351, 0.2345



7.8040, 0.2988, 0.3251



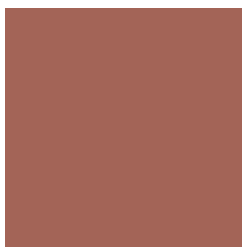
15.6026, 0.2096, 0.2746



0.3791, 0.2156, 0.2963

Previews

White Background



This preview shows how the Yxy color 17.5890, 0.4255, 0.3500 looks on a white background.

Color Contrast Check

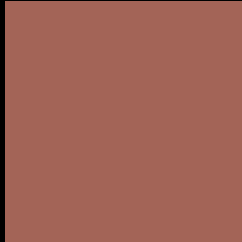
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5890, 0.4255, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

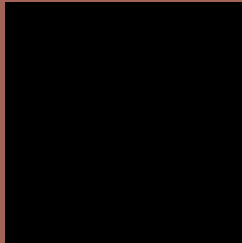
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5890, 0.4255, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 17.5890, 0.4255, 0.3500.



This preview shows how white text looks on a background with the Yxy color 17.5890, 0.4255, 0.3500.

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

17.5890, 0.4255, 0.3500

Protanopia

17.8339, 0.3490, 0.3719

Deuteranopia

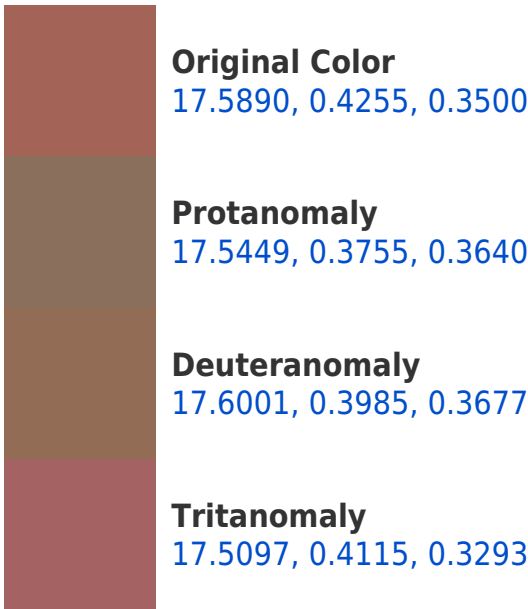
17.6475, 0.3843, 0.3785



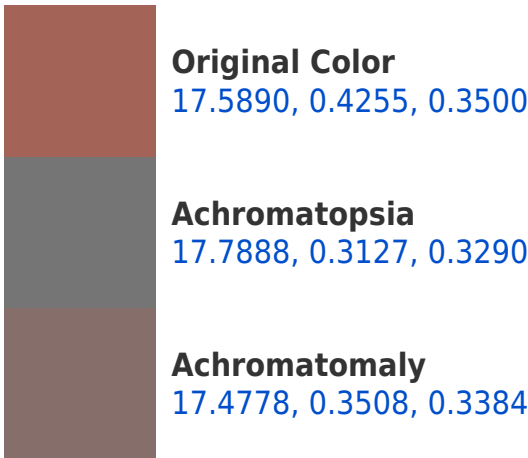
Tritanopia

17.4618, 0.4012, 0.3165

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5890, 0.4255, 0.3500 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, 100, 87)` looks like.

```
.text, #text, p{  
    color:rgb(163, 100, 87)  
}
```

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, 100, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 100, 87) }
```

Border

The CSS property to change the border of an element to Yxy 17.5890, 0.4255, 0.3500 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, 100, 87) }
```

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

```
.border{ border-color:rgb(163, 100, 87) }
```

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

Here you see how a box with a 4 pixel rgb(163, 100, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 100, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 100, 87);  
box-shadow:4px 4px 4px 4px rgb(163, 100,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5890, 0.4255, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 100, 87) }
```

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

```
.background{ background-color: rgb(163,  
100, 87) }
```

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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