

Converting Colors

$Y_{xy}(20.3971, 0.3807, 0.3208)$

Have a look what the booklet for
Yxy(20.3971, 0.3807, 0.3208)
contains.

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Color

Yxy(20.3890, 0.3812, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	A56E73
RGB	165, 110, 115
RGB Percent	65%, 43%, 45%
CMY	0.3529, 0.5686, 0.5490
CMYK	0.00, 0.33, 0.30, 0.35
HSL	355°, 23%, 54%
HSV	355°, 33%, 65%
XYZ	24.1901, 20.3890, 18.8787
YIQ	127.0150, 31.1750, 13.2150

Conversions

Conversions Part 2

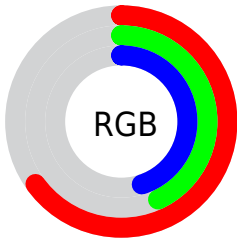
Format	Color
R_{YB}	165, 110, 115
Decimal	10841715
CIE _{Lab}	52.27, 22.58, 6.19
CIE _{LCh}	52, 23.410, 15.333
Yxy	20.3890, 0.3812, 0.3213
Android (android.graphics.Color)	4289031795 (0xFFA56E73)
YUV	127.0150, -5.9234, 33.3128
Hunter-Lab	45.1542, 16.6067, 6.8191

Details

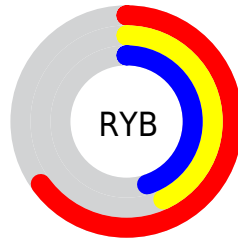
The Yxy color $20.3890, 0.3812, 0.3213$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $32.7704, 0.2699, 0.3371$, and the grayscale version is $21.2421, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.0028, 0.3651, 0.3232$, and $7.1875, 0.4115, 0.3159$ is the 20% darker color. If you saturate the color by 10%, you get $16.8370, 0.4127, 0.3190$, and if you desaturate by 10%, it is $24.6623, 0.3554, 0.3237$.

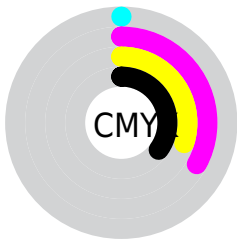
Distribution



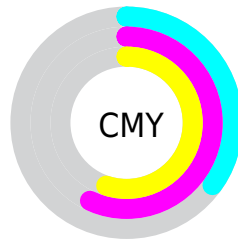
- Red (65%)
- Green (43%)
- Blue (45%)



- Red (65%)
- Yellow (43%)
- Blue (45%)



- Cyan (0%)
- Magenta (33%)
- Yellow (30%)
- Black (35%)





- Cyan (35%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3890, 0.3812, 0.3213 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 20.3890, 0.3812, 0.3213 by changing the saturation by 10% instead.


 20.3890, 0.3812,
0.3213

 20.3890, 0.3812,
0.3213


254.0133, 0.3420,
0.3263


 12.6781, 0.3931,
0.3195

 44.0684, 0.3655,
0.3235


 7.2073, 0.4099,
0.3166


 60.8057, 0.3601,
0.3242

 3.5921, 0.4355,
0.3118

 81.3207, 0.3557,
0.3248

 1.4481, 0.4785,
0.3024

 105.9976, 0.3520,
0.3252

 0.2518, 0.7584,
0.2416

135.2210, 0.3489,
0.3256

 0.0000, 0.0000,
0.0000

169.3751, 0.3463,

0.3259

208.8444, 0.3440,
0.3261

■ 20.3890, 0.3812,
0.3213

■ 20.3890, 0.3812,
0.3213

■ 16.8370, 0.4127,
0.3190

■ 24.6623, 0.3554,
0.3237

■ 13.9637, 0.4501,
0.3172

■ 29.6904, 0.3344,
0.3261

■ 11.7267, 0.4926,
0.3162


■ 35.5085, 0.3176,
0.3283


■ 10.0775, 0.5373,
0.3165


■ 42.1486, 0.3040,
0.3304

■ 8.9608, 0.5794,
0.3184


■ 49.6408, 0.2930,
0.3322


 8.3104, 0.6126,
0.3219

 58.0139, 0.2840,
0.3340

 8.0358, 0.6287,
0.3237

 67.2952, 0.2767,
0.3355

 77.5109, 0.2707,
0.3369

 86.4245, 0.2652,
0.3343

Harmonies

Analogous

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



20.3890, 0.3442, 0.2899



20.3890, 0.3812, 0.3213



20.3890, 0.3985, 0.3561

Triad

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



20.3890, 0.3812, 0.3213



20.3890, 0.3204, 0.4014



20.3890, 0.2391, 0.2674

Complementary

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



20.3890, 0.3812, 0.3213



32.7704, 0.2699, 0.3371

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.



20.3890, 0.2339, 0.2925



20.3890, 0.3812, 0.3213



20.3890, 0.2789, 0.3731

Square

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



20.3890, 0.3812, 0.3213



20.3890, 0.3615, 0.4054



20.3890, 0.2479, 0.3314



20.3890, 0.2625, 0.2594

Rectangle

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



20.3890, 0.3812, 0.3213



20.3890, 0.3960, 0.3778



20.3890, 0.2479, 0.3314



20.3890, 0.2352, 0.2739

Sweetspot

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



20.3900, 0.3812, 0.3213



56.2968, 0.3287, 0.3268



21.2921, 0.3100, 0.2465



12.0154, 0.3311, 0.3265



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.



20.3900, 0.3812, 0.3213



31.6869, 0.4039, 0.3196



25.6309, 0.3770, 0.3635



7.0959, 0.3271, 0.3270



6.0812, 0.6272, 0.3229



0.1307, 0.5748, 0.2940

Inverse Universe

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



20.3900, 0.3812, 0.3213



31.6869, 0.4039, 0.3196



25.6798, 0.2617, 0.2916



7.0959, 0.3271, 0.3270



6.0812, 0.6272, 0.3229



0.1307, 0.5748, 0.2940

Previews

White Background



This preview shows how the Yxy color 20.3890, 0.3812, 0.3213 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 20.3890, 0.3812, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

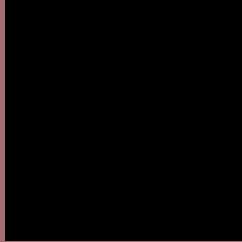
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3890, 0.3812, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 20.3890, 0.3812, 0.3213.



This preview shows how white text looks on a background with the Yxy color 20.3890, 0.3812, 0.3213.

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

20.3890, 0.3812, 0.3213

Protanopia

20.4346, 0.3187, 0.3308

Deuteranopia

20.6178, 0.3490, 0.3431



Tritanopia

20.4592, 0.3770, 0.3166

Trichromacy



Original Color

20.3890, 0.3812, 0.3213

Protanomaly

20.2124, 0.3396, 0.3273

Deuteranomaly

20.4215, 0.3597, 0.3342

Tritanomaly

20.4355, 0.3784, 0.3181

Monochromacy



Original Color

20.3890, 0.3812, 0.3213

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.7675, 0.3355, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3890, 0.3812, 0.3213 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, 110, 115)` looks like.

```
.text, #text, p{  
    color:rgb(165, 110, 115)  
}
```

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, 110, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 110, 115) }
```

Border

The CSS property to change the border of an element to Yxy 20.3890, 0.3812, 0.3213 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, 110, 115) }
```

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

```
.border{ border-color:rgb(165, 110, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 110, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 110, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 110, 115);  
box-shadow:4px 4px 4px 4px rgb(165, 110,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3890, 0.3812, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 110, 115) }
```

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

```
.background{ background-color: rgb(165,  
110, 115) }
```

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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