

Converting Colors

$Y_{xy}(20.2901, 0.3952, 0.3209)$

Have a look what the booklet for
Yxy(20.2901, 0.3952, 0.3209)
contains.

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Color

Yxy(20.3432, 0.3948, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	AB6B70
RGB	171, 107, 112
RGB Percent	67%, 42%, 44%
CMY	0.3295, 0.5803, 0.5608
CMYK	0.00, 0.37, 0.34, 0.33
HSL	355°, 28%, 55%
HSV	355°, 37%, 67%
XYZ	24.9736, 20.3432, 17.9395
YIQ	126.7060, 36.5390, 15.1230

Conversions

Conversions Part 2

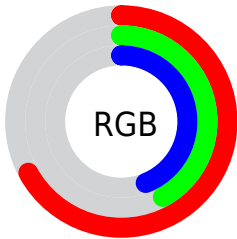
Format	Color
R _Y B	171, 107, 112
Decimal	11234160
CIE Lab	52.22, 26.18, 7.98
CIE LCh	52, 27.371, 16.958
Yxy	20.3432, 0.3948, 0.3216
Android (android.graphics.Color)	4289424240 (0xFFAB6B70)
YUV	126.7060, -7.2501, 38.8458
Hunter-Lab	45.1034, 19.9036, 7.9904

Details

The Yxy color **20.3432, 0.3948, 0.3216** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.9978, 0.2648, 0.3369**, and the grayscale version is **21.1341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9706, 0.3757, 0.3234**, and **7.1782, 0.4311, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **16.8030, 0.4294, 0.3198**, and if you desaturate by 10%, it is **24.6518, 0.3662, 0.3236**.

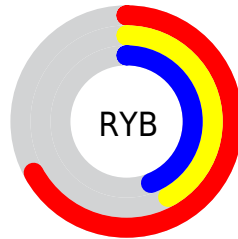
Distribution



Red (67%)

Green (42%)

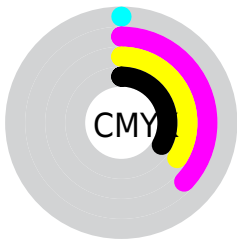
Blue (44%)



Red (67%)

Yellow (42%)

Blue (44%)

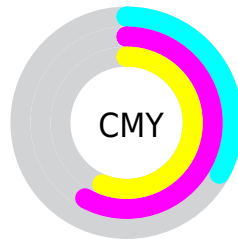


Cyan (0%)

Magenta (37%)

Yellow (34%)

Black (33%)



Cyan (33%)


Magenta (58%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3432, 0.3948, 0.3216 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 20.3432, 0.3948, 0.3216 by changing the saturation by 10% instead.


 20.3432, 0.3948,
0.3216


 20.3432, 0.3948,
0.3216


253.7670, 0.3478,
0.3268


 12.6448, 0.4091,
0.3196


 43.9918, 0.3760,
0.3240


 7.1844, 0.4292,
0.3163


 60.7108, 0.3695,
0.3247

 3.5777, 0.4597,
0.3107

 81.2055, 0.3642,
0.3252

 1.4402, 0.5105,
0.2993

 105.8601, 0.3598,
0.3257

 0.2461, 0.7802,
0.2198

135.0592, 0.3560,
0.3260

 0.0000, 0.0000,
0.0000

169.1871, 0.3529,

0.3263

208.6283, 0.3501,
0.3266

■ 20.3432, 0.3948,
0.3216

■ 20.3432, 0.3948,
0.3216

■ 16.8030, 0.4294,
0.3198

■ 24.6518, 0.3662,
0.3236

■ 13.9832, 0.4698,
0.3185

■ 29.7672, 0.3429,
0.3257

■ 11.8353, 0.5144,
0.3181


■ 35.7287, 0.3242,
0.3276

■ 10.3033, 0.5591,
0.3190


■ 42.5721, 0.3091,
0.3295


■ 9.3223, 0.5980,
0.3214


■ 50.3314, 0.2970,
0.3311


 8.7935, 0.6255,
0.3246

 59.0384, 0.2871,
0.3327

 8.6855, 0.6309,
0.3249

 68.7239, 0.2791,
0.3340

 79.4168, 0.2724,
0.3353

 87.3244, 0.2662,
0.3301

Harmonies

Analogous

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



20.3432, 0.3521, 0.2855



20.3432, 0.3948, 0.3216



20.3432, 0.4134, 0.3616

Triad

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



20.3432, 0.3948, 0.3216



20.3432, 0.3183, 0.4137



20.3432, 0.2286, 0.2563

Complementary

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



20.3432, 0.3948, 0.3216



34.9978, 0.2648, 0.3369

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.



20.3432, 0.2215, 0.2837



20.3432, 0.3948, 0.3216



20.3432, 0.2706, 0.3787

Square

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



20.3432, 0.3948, 0.3216



20.3432, 0.3667, 0.4190



20.3432, 0.2360, 0.3285



20.3432, 0.2562, 0.2488

Rectangle

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



20.3432, 0.3948, 0.3216



20.3432, 0.4091, 0.3866



20.3432, 0.2360, 0.3285



20.3432, 0.2238, 0.2632

Sweetspot

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



20.3442, 0.3948, 0.3216



59.7812, 0.3308, 0.3269



21.5273, 0.3107, 0.2366



13.0173, 0.3332, 0.3266



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.3442, 0.3948, 0.3216



31.0355, 0.4234, 0.3201



26.6759, 0.3868, 0.3695



8.0251, 0.3275, 0.3273



6.5527, 0.6296, 0.3242



0.1855, 0.5881, 0.3013

Inverse Universe

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



20.3442, 0.3948, 0.3216



31.0355, 0.4234, 0.3201



26.1123, 0.2551, 0.2842



8.0251, 0.3275, 0.3273



6.5527, 0.6296, 0.3242



0.1855, 0.5881, 0.3013

Previews

White Background



This preview shows how the Yxy color 20.3432, 0.3948, 0.3216 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 20.3432, 0.3948, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

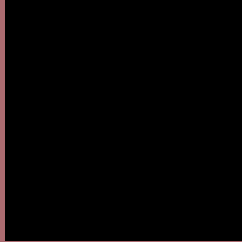
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3432, 0.3948, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 20.3432, 0.3948, 0.3216.



This preview shows how white text looks on a background with the Yxy color 20.3432, 0.3948, 0.3216.

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

20.3432, 0.3948, 0.3216

Protanopia

20.3850, 0.3210, 0.3345

Deuteranopia

20.3984, 0.3545, 0.3466



Tritanopia

20.4111, 0.3905, 0.3170

Trichromacy



Original Color

20.3432, 0.3948, 0.3216

Protanomaly

20.1942, 0.3463, 0.3291

Deuteranomaly

20.1815, 0.3684, 0.3359

Tritanomaly

20.3882, 0.3920, 0.3185

Monochromacy



Original Color

20.3432, 0.3948, 0.3216

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6777, 0.3395, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3432, 0.3948, 0.3216 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(171, 107, 112)` looks like.

```
.text, #text, p{  
    color:rgb(171, 107, 112)  
}
```

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(171, 107, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 107, 112) }
```

Border

The CSS property to change the border of an element to Yxy 20.3432, 0.3948, 0.3216 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(171, 107, 112) }
```

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

```
.border{ border-color:rgb(171, 107, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 107, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 107, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 107, 112);  
box-shadow:4px 4px 4px 4px rgb(171, 107,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3432, 0.3948, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 107, 112) }
```

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

```
.background{ background-color: rgb(171,  
107, 112) }
```

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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