

Converting Colors

$Y_{xy}(20.5640, 0.3934, 0.3198)$

Have a look what the booklet for
Yxy(20.5640, 0.3934, 0.3198)
contains.

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Color

Yxy(20.5010, 0.3933, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	AC6B72
RGB	172, 107, 114
RGB Percent	67%, 42%, 45%
CMY	0.3255, 0.5804, 0.5530
CMYK	0.00, 0.38, 0.34, 0.33
HSL	354°, 28%, 55%
HSV	354°, 38%, 67%
XYZ	25.3077, 20.5010, 18.5384
YIQ	127.2330, 36.4930, 15.9570

Conversions

Conversions Part 2

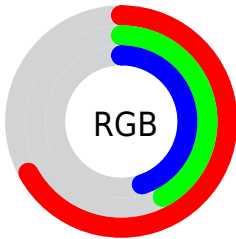
Format	Color
R_{YB}	172, 107, 114
Decimal	11299698
CIE _{Lab}	52.40, 26.85, 7.08
CIE _{LCh}	52, 27.763, 14.774
Yxy	20.5010, 0.3933, 0.3186
Android (android.graphics.Color)	4289489778 (0xFFAC6B72)
YUV	127.2330, -6.5239, 39.2607
Hunter-Lab	45.2780, 20.5344, 7.4192

Details

The Yxy color **20.5010, 0.3933, 0.3186** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **35.3490, 0.2657, 0.3401**, and the grayscale version is **21.3216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2075, 0.3747, 0.3211**, and **7.2710, 0.4283, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **16.9442, 0.4269, 0.3161**, and if you desaturate by 10%, it is **24.8318, 0.3654, 0.3214**.

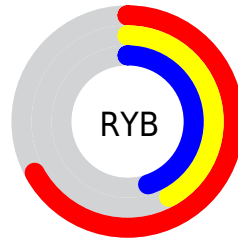
Distribution



Red (67%)

Green (42%)

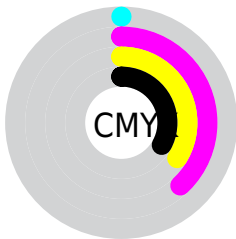
Blue (45%)



Red (67%)

Yellow (42%)

Blue (45%)

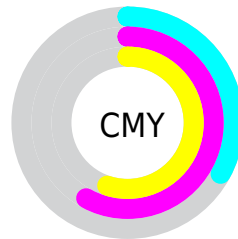


Cyan (0%)

Magenta (38%)

Yellow (34%)

Black (33%)



Cyan (33%)


Magenta (58%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5010, 0.3933, 0.3186 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 20.5010, 0.3933, 0.3186 by changing the saturation by 10% instead.


 20.5010, 0.3933,
0.3186

 20.5010, 0.3933,
0.3186


254.6146, 0.3472,
0.3254


 12.7597, 0.4072,
0.3161


 44.2556, 0.3749,
0.3216


 7.2633, 0.4269,
0.3124


 61.0377, 0.3685,
0.3225

 3.6273, 0.4566,
0.3060

 81.6022, 0.3633,
0.3232

 1.4674, 0.5061,
0.2937

 106.3335, 0.3590,
0.3238

 0.2656, 0.7740,
0.2260

135.6160, 0.3553,
0.3243

 0.0000, 0.0000,
0.0000

169.8341, 0.3522,

0.3247

209.3721, 0.3495,
0.3251

■ 20.5010, 0.3933,
0.3186

■ 20.5010, 0.3933,
0.3186

■ 16.9442, 0.4269,
0.3161

■ 24.8318, 0.3654,
0.3214

■ 14.1131, 0.4663,
0.3142

■ 29.9754, 0.3428,
0.3243

■ 11.9583, 0.5097,
0.3135


■ 35.9715, 0.3245,
0.3270

■ 10.4233, 0.5537,
0.3146


■ 42.8564, 0.3097,
0.3295


■ 9.4423, 0.5928,
0.3177

■ 50.6642, 0.2978,
0.3319

 8.9108, 0.6214,
0.3220

 59.4273, 0.2881,
0.3340

 8.8160, 0.6266,
0.3225

 69.1765, 0.2802,
0.3359

 79.9412, 0.2737,
0.3377

 87.3294, 0.2675,
0.3320

Harmonies

Analogous

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



20.5010, 0.3488, 0.2827



20.5010, 0.3933, 0.3186



20.5010, 0.4142, 0.3589

Triad

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



20.5010, 0.3933, 0.3186



20.5010, 0.3220, 0.4162



20.5010, 0.2264, 0.2568

Complementary

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



20.5010, 0.3933, 0.3186



35.3490, 0.2657, 0.3401

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.



20.5010, 0.2208, 0.2859



20.5010, 0.3933, 0.3186



20.5010, 0.2733, 0.3827

Square

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



20.5010, 0.3933, 0.3186



20.5010, 0.3704, 0.4192



20.5010, 0.2371, 0.3321



20.5010, 0.2529, 0.2478

Rectangle

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



20.5010, 0.3933, 0.3186



20.5010, 0.4113, 0.3846



20.5010, 0.2371, 0.3321



20.5010, 0.2222, 0.2643

Sweetspot

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



20.5020, 0.3933, 0.3186



61.3701, 0.3303, 0.3261



21.4323, 0.3081, 0.2350



13.0255, 0.3326, 0.3257



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.



20.5020, 0.3933, 0.3186



31.9103, 0.4198, 0.3165



26.3135, 0.3890, 0.3668



8.0288, 0.3270, 0.3266



6.5647, 0.6249, 0.3216



0.1870, 0.5712, 0.2920

Inverse Universe

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



20.5020, 0.3933, 0.3186



31.9103, 0.4198, 0.3165



26.9991, 0.2550, 0.2874



8.0288, 0.3270, 0.3266



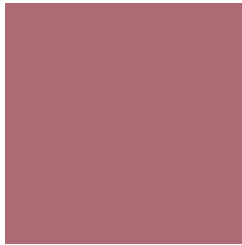
6.5647, 0.6249, 0.3216



0.1870, 0.5712, 0.2920

Previews

White Background



This preview shows how the Yxy color 20.5010, 0.3933, 0.3186 looks on a white background.

Color Contrast Check

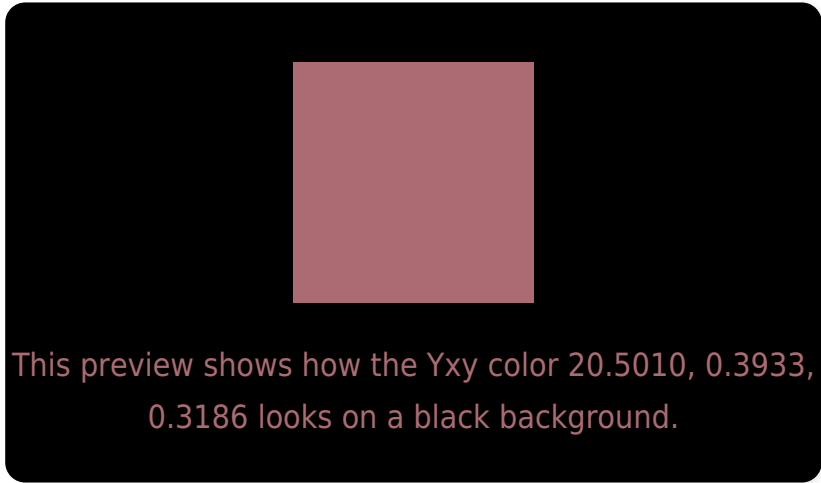
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

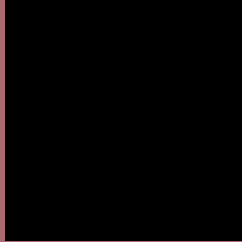
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5010, 0.3933, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 20.5010, 0.3933, 0.3186.



This preview shows how white text looks on a background with the Yxy color 20.5010, 0.3933, 0.3186.

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

20.5010, 0.3933, 0.3186

Protanopia

20.7117, 0.3174, 0.3308

Deuteranopia

20.6842, 0.3516, 0.3448



Tritanopia

20.5239, 0.3918, 0.3171

Trichromacy



Original Color

20.5010, 0.3933, 0.3186

Protanomaly

20.2422, 0.3438, 0.3256

Deuteranomaly

20.5531, 0.3667, 0.3342

Tritanomaly

20.5239, 0.3918, 0.3171

Monochromacy



Original Color

20.5010, 0.3933, 0.3186

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 20.5010, 0.3933, 0.3186 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(172, 107, 114)` looks like.

```
.text, #text, p{  
    color:rgb(172, 107, 114)  
}
```

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(172, 107, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 107, 114) }
```

Border

The CSS property to change the border of an element to Yxy 20.5010, 0.3933, 0.3186 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(172, 107, 114) }
```

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

```
.border{ border-color:rgb(172, 107, 114) }
```

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

Here you see how a box with a 4 pixel rgb(172, 107, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 107, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 107, 114);  
box-shadow:4px 4px 4px 4px rgb(172, 107,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5010, 0.3933, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 107, 114) }
```

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

```
.background{ background-color: rgb(172,  
107, 114) }
```

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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