

Converting Colors

$Y_{xy}(20.0209, 0.3812, 0.3227)$

Have a look what the booklet for
Yxy(20.0209, 0.3812, 0.3227)
contains.

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Color

Yxy(19.9161, 0.3818, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	A36D71
RGB	163, 109, 113
RGB Percent	64%, 43%, 44%
CMY	0.3607, 0.5726, 0.5569
CMYK	0.00, 0.33, 0.31, 0.36
HSL	356°, 23%, 53%
HSV	356°, 33%, 64%
XYZ	23.5563, 19.9161, 18.2256
YIQ	125.6020, 30.9000, 12.6920

Conversions

Conversions Part 2

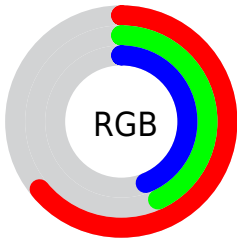
Format	Color
R_{YB}	163, 109, 113
Decimal	10710385
CIE Lab	51.74, 22.08, 6.57
CIE LCh	52, 23.036, 16.583
Yxy	19.9161, 0.3818, 0.3228
Android (android.graphics.Color)	4288900465 (0xFFA36D71)
YUV	125.6020, -6.2128, 32.7980
Hunter-Lab	44.6275, 16.1219, 7.0256

Details

The Yxy color **19.9161, 0.3818, 0.3228** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.9553, 0.2695, 0.3355**, and the grayscale version is **20.7362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2664, 0.3655, 0.3243**, and **7.0341, 0.4121, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **16.4436, 0.4137, 0.3210**, and if you desaturate by 10%, it is **24.0921, 0.3556, 0.3247**.

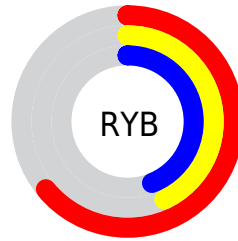
Distribution



Red (64%)

Green (43%)

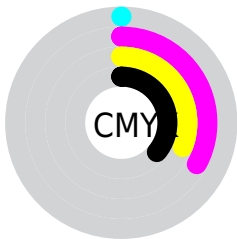
Blue (44%)



Red (64%)

Yellow (43%)

Blue (44%)

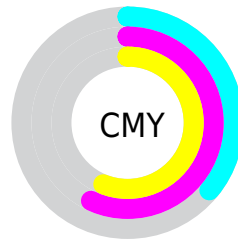


Cyan (0%)

Magenta (33%)

Yellow (31%)

Black (36%)



Cyan (36%)


Magenta (57%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9161, 0.3818, 0.3228 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 19.9161, 0.3818, 0.3228 by changing the saturation by 10% instead.


 19.9161, 0.3818,
0.3228


 19.9161, 0.3818,
0.3228


251.4606, 0.3421,
0.3270


 12.3341, 0.3939,
0.3212


 43.2765, 0.3659,
0.3247


 6.9716, 0.4111,
0.3186


 59.8236, 0.3604,
0.3253

 3.4444, 0.4374,
0.3141

 80.1279, 0.3559,
0.3258

 1.3679, 0.4819,
0.3050

 104.5738, 0.3522,
0.3261

 0.1929, 0.7892,
0.2108

133.5455, 0.3491,
0.3264

 0.0000, 0.0000,
0.0000

167.4277, 0.3464,

0.3267

206.6046, 0.3441,
0.3269

■ 19.9161, 0.3818,
0.3228

■ 19.9161, 0.3818,
0.3228

■ 16.4436, 0.4137,
0.3210

■ 24.0921, 0.3556,
0.3247

■ 13.6332, 0.4517,
0.3195

■ 29.0042, 0.3344,
0.3267

■ 11.4436, 0.4947,
0.3187

■ 34.6867, 0.3174,
0.3285

■ 9.8277, 0.5400,
0.3190


■ 41.1706, 0.3036,
0.3301


■ 8.7318, 0.5822,
0.3207

■ 48.4853, 0.2925,
0.3317


 8.0917, 0.6151,
0.3236

 56.6588, 0.2834,
0.3330

 7.8152, 0.6310,
0.3250

 65.7178, 0.2760,
0.3343

 75.6877, 0.2699,
0.3354

 86.1379, 0.2648,
0.3357

Harmonies

Analogous

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



19.9161, 0.3457, 0.2914



19.9161, 0.3818, 0.3228



19.9161, 0.3980, 0.3574

Triad

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



19.9161, 0.3818, 0.3228



19.9161, 0.3186, 0.4001



19.9161, 0.2403, 0.2672

Complementary

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



19.9161, 0.3818, 0.3228



31.9553, 0.2695, 0.3355

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.



19.9161, 0.2344, 0.2915



19.9161, 0.3818, 0.3228



19.9161, 0.2777, 0.3712

Square

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



19.9161, 0.3818, 0.3228



19.9161, 0.3596, 0.4051



19.9161, 0.2475, 0.3296



19.9161, 0.2642, 0.2600

Rectangle

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



19.9161, 0.3818, 0.3228



19.9161, 0.3948, 0.3787



19.9161, 0.2475, 0.3296



19.9161, 0.2362, 0.2734

Sweetspot

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



19.9171, 0.3818, 0.3228



54.7906, 0.3290, 0.3272



20.9029, 0.3111, 0.2474



12.0115, 0.3314, 0.3270



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.



19.9171, 0.3818, 0.3228



30.8221, 0.4055, 0.3214



25.2610, 0.3760, 0.3646



7.0941, 0.3274, 0.3274



6.0752, 0.6298, 0.3243



0.1301, 0.5855, 0.2999

Inverse Universe

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



19.9171, 0.3818, 0.3228



30.8221, 0.4055, 0.3214



24.8011, 0.2618, 0.2903



7.0941, 0.3274, 0.3274



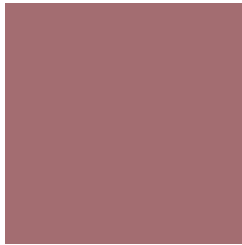
6.0752, 0.6298, 0.3243



0.1301, 0.5855, 0.2999

Previews

White Background



This preview shows how the Yxy color 19.9161, 0.3818, 0.3228 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 19.9161, 0.3818, 0.3228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

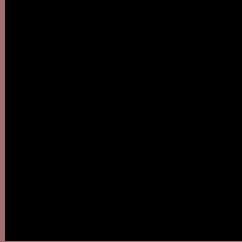
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9161, 0.3818, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 19.9161, 0.3818, 0.3228.



This preview shows how white text looks on a background with the Yxy color 19.9161, 0.3818, 0.3228.

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

19.9161, 0.3818, 0.3228

Protanopia

20.0584, 0.3199, 0.3327

Deuteranopia

19.9168, 0.3496, 0.3433



Tritanopia

19.7960, 0.3766, 0.3148

Trichromacy



Original Color

19.9161, 0.3818, 0.3228

Protanomaly

19.8403, 0.3411, 0.3291

Deuteranomaly

19.7272, 0.3604, 0.3343

Tritanomaly

19.7726, 0.3780, 0.3164

Monochromacy



Original Color

19.9161, 0.3818, 0.3228

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.3024, 0.3356, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9161, 0.3818, 0.3228 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, 109, 113)` looks like.

```
.text, #text, p{  
    color:rgb(163, 109, 113)  
}
```

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, 109, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 109, 113) }
```

Border

The CSS property to change the border of an element to Yxy 19.9161, 0.3818, 0.3228 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, 109, 113) }
```

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

```
.border{ border-color:rgb(163, 109, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 109, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 109, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 109, 113);  
box-shadow:4px 4px 4px 4px rgb(163, 109,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9161, 0.3818, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 109, 113) }
```

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

```
.background{ background-color: rgb(163,  
109, 113) }
```

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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