

Converting Colors

$Y_{xy}(20.7404, 0.4057, 0.3190)$

Have a look what the booklet for
Yxy(20.7404, 0.4057, 0.3190)
contains.

Yxy(20.7380, 0.4051, 0.3190)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7380, 0.4051, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	B26970
RGB	178, 105, 112
RGB Percent	70%, 41%, 44%
CMY	0.3020, 0.5882, 0.5609
CMYK	0.00, 0.41, 0.37, 0.30
HSL	354°, 32%, 55%
HSV	354°, 41%, 70%
XYZ	26.3353, 20.7380, 17.9361
YIQ	127.6250, 41.2610, 17.6530

Conversions

Conversions Part 2

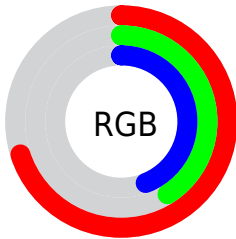
Format	Color
R_{YB}	178, 105, 112
Decimal	11692400
CIE _{Lab}	52.66, 30.01, 8.75
CIE _{LCh}	53, 31.258, 16.249
Yxy	20.7380, 0.4051, 0.3190
Android (android.graphics.Color)	4289882480 (0xFFB26970)
YUV	127.6250, -7.7031, 44.1789
Hunter-Lab	45.5390, 23.5337, 8.5252

Details

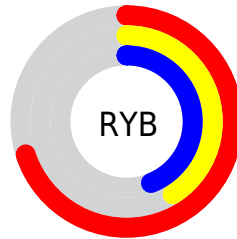
The Yxy color **20.7380, 0.4051, 0.3190** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **37.7866, 0.2617, 0.3398**, and the grayscale version is **21.4665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6271, 0.3841, 0.3213**, and **7.4095, 0.4444, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **17.1573, 0.4413, 0.3169**, and if you desaturate by 10%, it is **25.1438, 0.3748, 0.3214**.

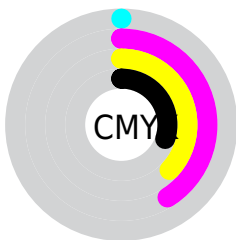
Distribution



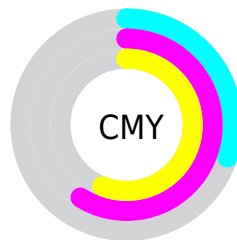
- Red (70%)
- Green (41%)
- Blue (44%)



- Red (70%)
- Yellow (41%)
- Blue (44%)



- Cyan (0%)
- Magenta (41%)
- Yellow (37%)
- Black (30%)





- Cyan (30%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7380, 0.4051, 0.3190 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 20.7380, 0.4051, 0.3190 by changing the saturation by 10% instead.


 20.7380, 0.4051,
0.3190


 20.7380, 0.4051,
0.3190


255.8828, 0.3523,
0.3259


 12.9326, 0.4210,
0.3164


 44.6511, 0.3841,
0.3221

 7.3822, 0.4433,
0.3123


 61.5276, 0.3767,
0.3230

 3.7022, 0.4768,
0.3053

 82.1966, 0.3708,
0.3238

 1.5084, 0.5318,
0.2914

 107.0425, 0.3658,
0.3244

 0.2947, 0.7766,
0.2234


136.4496, 0.3616,
0.3249


 0.0000, 0.0000,
0.0000


170.8025, 0.3581,

0.3252


210.4854, 0.3550,
0.3256


 20.7380, 0.4051,
0.3190


 20.7380, 0.4051,
0.3190


 17.1573, 0.4413,
0.3169


 25.1438, 0.3748,
0.3214

 14.3474, 0.4829,
0.3156

 30.4184, 0.3502,
0.3240


 12.2526, 0.5277,
0.3156


 36.6060, 0.3302,
0.3265


 10.8080, 0.5709,
0.3172


 43.7470, 0.3141,
0.3288

 9.9373, 0.6066,
0.3206


 51.8793, 0.3012,
0.3309

 9.5056, 0.6288,
0.3238

 61.0389, 0.2907,
0.3329

 71.2599, 0.2822,
0.3346

 82.5746, 0.2752,
0.3362

 88.2051, 0.2691,
0.3289

Harmonies

Analogous

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



20.7380, 0.3558, 0.2792



20.7380, 0.4051, 0.3190



20.7380, 0.4268, 0.3635

Triad

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



20.7380, 0.4051, 0.3190



20.7380, 0.3196, 0.4267



20.7380, 0.2180, 0.2475

Complementary

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



20.7380, 0.4051, 0.3190



37.7866, 0.2617, 0.3398

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.



20.7380, 0.2106, 0.2781



20.7380, 0.4051, 0.3190



20.7380, 0.2659, 0.3871

Square

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



20.7380, 0.4051, 0.3190



20.7380, 0.3742, 0.4307



20.7380, 0.2270, 0.3292



20.7380, 0.2480, 0.2391

Rectangle

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



20.7380, 0.4051, 0.3190



20.7380, 0.4221, 0.3919



20.7380, 0.2270, 0.3292



20.7380, 0.2129, 0.2552

Sweetspot

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



20.7390, 0.4051, 0.3190



64.9452, 0.3324, 0.3262



21.9435, 0.3088, 0.2273



14.0546, 0.3348, 0.3259



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.7390, 0.4051, 0.3190



31.7928, 0.4368, 0.3171



27.5921, 0.3971, 0.3719



8.5180, 0.3272, 0.3269



6.8057, 0.6271, 0.3228



0.2184, 0.5808, 0.2973

Inverse Universe

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



20.7390, 0.4051, 0.3190



31.7928, 0.4368, 0.3171



27.6509, 0.2498, 0.2810



8.5180, 0.3272, 0.3269



6.8057, 0.6271, 0.3228



0.2184, 0.5808, 0.2973

Previews

White Background



This preview shows how the Yxy color 20.7380, 0.4051, 0.3190 looks on a white background.

Color Contrast Check

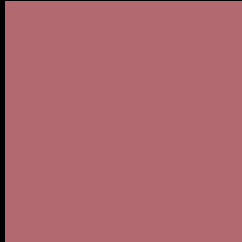
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7380, 0.4051, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

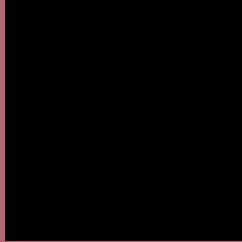
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7380, 0.4051, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 20.7380, 0.4051, 0.3190.



This preview shows how white text looks on a background with the Yxy color 20.7380, 0.4051, 0.3190.

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

20.7380, 0.4051, 0.3190

Protanopia

21.0189, 0.3197, 0.3345

Deuteranopia

20.7082, 0.3566, 0.3500



Tritanopia

20.7604, 0.4036, 0.3175

Trichromacy



Original Color

20.7380, 0.4051, 0.3190

Protanomaly

20.4918, 0.3490, 0.3274

Deuteranomaly

20.4552, 0.3738, 0.3375

Tritanomaly

20.7604, 0.4036, 0.3175

Monochromacy



Original Color

20.7380, 0.4051, 0.3190

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.9491, 0.3433, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7380, 0.4051, 0.3190 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(178, 105, 112)` looks like.

```
.text, #text, p{  
    color:rgb(178, 105, 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(178, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 105, 112) }
```

Border

The CSS property to change the border of an element to Yxy 20.7380, 0.4051, 0.3190 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(178, 105, 112) }
```

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

```
.border{ border-color:rgb(178, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(178, 105,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7380, 0.4051, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 105, 112) }
```

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

```
.background{ background-color: rgb(178,  
105, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor