

Converting Colors

$Y_{xy}(20.2590, 0.3856, 0.2837)$

Have a look what the booklet for
Yxy(20.2590, 0.3856, 0.2837)
contains.

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Color

Yxy(20.1708, 0.3856, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	B56282
RGB	181, 98, 130
RGB Percent	71%, 38%, 51%
CMY	0.2902, 0.6157, 0.4901
CMYK	0.00, 0.46, 0.28, 0.29
HSL	337°, 36%, 55%
HSV	337°, 46%, 71%
XYZ	27.4545, 20.1708, 23.5741
YIQ	126.4650, 39.1960, 27.5480

Conversions

Conversions Part 2

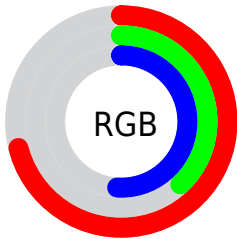
Format	Color
R_{YB}	181, 98, 130
Decimal	11887234
CIE Lab	52.03, 37.29, -2.80
CIE LCh	52, 37.391, 355.703
Yxy	20.1708, 0.3856, 0.2833
Android (android.graphics.Color)	4290077314 (0xFFB56282)
YUV	126.4650, 1.7428, 47.8272
Hunter-Lab	44.9119, 30.5206, 0.3172

Details

The Yxy color $20.1708, 0.3856, 0.2833$ is a dark color, and the websafe version is hex $CC6699$. A complement of this color would be $37.8142, 0.2723, 0.3816$, and the grayscale version is $21.0155, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9028, 0.3694, 0.2937$, and $7.1436, 0.4149, 0.2659$ is the 20% darker color. If you saturate the color by 10%, you get $16.8764, 0.4106, 0.2745$, and if you desaturate by 10%, it is $24.2653, 0.3641, 0.2932$.

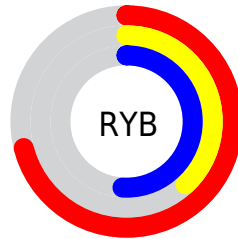
Distribution



Red (71%)

Green (38%)

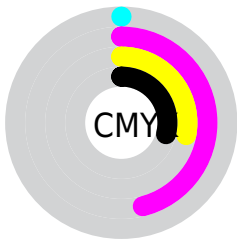
Blue (51%)



Red (71%)

Yellow (38%)

Blue (51%)

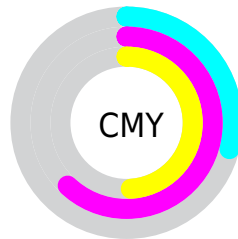


Cyan (0%)

Magenta (46%)

Yellow (28%)

Black (29%)



Cyan (29%)


Magenta (62%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1708, 0.3856, 0.2833 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 20.1708, 0.3856, 0.2833 by changing the saturation by 10% instead.


 20.1708, 0.3856,
0.2833


 20.1708, 0.3856,
0.2833


252.8383, 0.3444,
0.3088


 12.5193, 0.3978,
0.2759


 43.7034, 0.3693,
0.2933


 7.0984, 0.4149,
0.2656

 60.3532, 0.3636,
0.2968

 3.5237, 0.4403,
0.2505

 80.7712, 0.3590,
0.2997

 1.4109, 0.4820,
0.2263

 105.3418, 0.3551,
0.3022

 0.2247, 0.6348,
0.1234

134.4494, 0.3518,
0.3042

 0.0000, 1.0000,
0.0000

168.4785, 0.3490,

 0.0000, 0.0000,

0.3060

0.0000

207.8133, 0.3466,
0.3075

■ 20.1708, 0.3856,
0.2833

■ 20.1708, 0.3856,
0.2833

■ 16.8764, 0.4106,
0.2745

■ 24.2653, 0.3641,
0.2932

■ 14.3258, 0.4390,
0.2680

■ 29.2052, 0.3461,
0.3036

■ 12.4601, 0.4698,
0.2650


■ 35.0360, 0.3312,
0.3138


■ 11.2099, 0.5012,
0.2666

■ 41.7992, 0.3189,
0.3236


■ 10.4871, 0.5312,
0.2732

■ 49.5334, 0.3088,
0.3327

 10.2641, 0.5432,
0.2766

 58.2752, 0.3005,
0.3412

 68.0593, 0.2937,
0.3490

 78.9187, 0.2880,
0.3561

 87.0612, 0.2829,
0.3564

Harmonies

Analogous

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



20.1708, 0.3153, 0.2456



20.1708, 0.3856, 0.2833



20.1708, 0.4370, 0.3318

Triad

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



20.1708, 0.3856, 0.2833



20.1708, 0.3650, 0.4555



20.1708, 0.1921, 0.2528

Complementary

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



20.1708, 0.3856, 0.2833



37.8142, 0.2723, 0.3816

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.



20.1708, 0.2019, 0.3063



20.1708, 0.3856, 0.2833



20.1708, 0.2983, 0.4383

Square

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



20.1708, 0.3856, 0.2833



20.1708, 0.4209, 0.4304



20.1708, 0.2390, 0.3781



20.1708, 0.2091, 0.2265

Rectangle

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



20.1708, 0.3856, 0.2833



20.1708, 0.4500, 0.3665



20.1708, 0.2390, 0.3781



20.1708, 0.1923, 0.2677

Sweetspot

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



20.1718, 0.3856, 0.2833



64.5978, 0.3290, 0.3154



18.3491, 0.2790, 0.2058



13.4396, 0.3319, 0.3133



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.



20.1718, 0.3856, 0.2833



30.1923, 0.4108, 0.2745



21.0759, 0.4283, 0.3413



8.5577, 0.3229, 0.3202



7.0884, 0.5400, 0.2748



0.2346, 0.4649, 0.2335

Inverse Universe

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



20.1718, 0.3856, 0.2833



30.1923, 0.4108, 0.2745



35.7056, 0.2499, 0.3157



8.5577, 0.3229, 0.3202



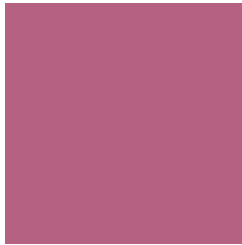
7.0884, 0.5400, 0.2748



0.2346, 0.4649, 0.2335

Previews

White Background



This preview shows how the Yxy color 20.1708, 0.3856, 0.2833 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 20.1708, 0.3856, 0.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

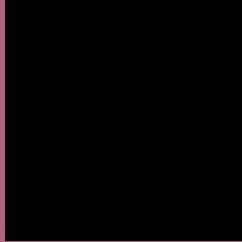
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1708, 0.3856, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 20.1708, 0.3856, 0.2833.



This preview shows how white text looks on a background with the Yxy color 20.1708, 0.3856, 0.2833.

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

20.1708, 0.3856, 0.2833

Protanopia

20.4837, 0.2848, 0.2897

Deuteranopia

20.4153, 0.3256, 0.3202



Tritanopia

20.1906, 0.4125, 0.3191

Trichromacy



Original Color

20.1708, 0.3856, 0.2833

Protanomaly

19.9057, 0.3172, 0.2868

Deuteranomaly

20.0180, 0.3466, 0.3059

Tritanomaly

20.2950, 0.4024, 0.3060

Monochromacy



Original Color

20.1708, 0.3856, 0.2833

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1341, 0.3380, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1708, 0.3856, 0.2833 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(181, 98, 130)` looks like.

```
.text, #text, p{  
    color:rgb(181, 98, 130)  
}
```

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(181, 98, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 98, 130) }
```

Border

The CSS property to change the border of an element to Yxy 20.1708, 0.3856, 0.2833 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(181, 98, 130) }
```

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

```
.border{ border-color:rgb(181, 98, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 98, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 98, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 98, 130);  
box-shadow:4px 4px 4px 4px rgb(181, 98,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1708, 0.3856, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 98, 130) }
```

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

```
.background{ background-color: rgb(181, 98,  
130) }
```

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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