

Converting Colors

$Y_{xy}(20.1713, 0.4118, 0.3263)$

Have a look what the booklet for
Yxy(20.1713, 0.4118, 0.3263)
contains.

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Color

Yxy(20.1713, 0.4118, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	B0686A
RGB	176, 104, 106
RGB Percent	69%, 41%, 42%
CMY	0.3098, 0.5921, 0.5843
CMYK	0.00, 0.41, 0.40, 0.31
HSL	358°, 31%, 55%
HSV	358°, 41%, 69%
XYZ	25.4568, 20.1713, 16.1902
YIQ	125.7560, 42.2700, 15.8860

Conversions

Conversions Part 2

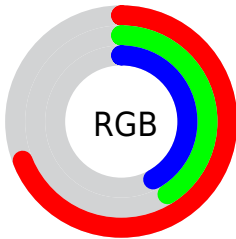
Format	Color
R_{YB}	176, 104, 106
Decimal	11561066
CIE _{Lab}	52.03, 29.06, 11.34
CIE _{LCh}	52, 31.197, 21.309
Yxy	20.1713, 0.4118, 0.3263
Android (android.graphics.Color)	4289751146 (0xFFB0686A)
YUV	125.7560, -9.7397, 44.0640
Hunter-Lab	44.9125, 22.5785, 10.0657

Details

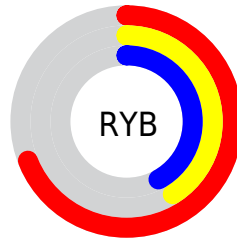
The Yxy color **20.1713, 0.4118, 0.3263** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **37.0497, 0.2587, 0.3320**, and the grayscale version is **20.8006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7037, 0.3897, 0.3281**, and **7.1131, 0.4536, 0.3213** is the 20% darker color. If you saturate the color by 10%, you get **16.6699, 0.4508, 0.3258**, and if you desaturate by 10%, it is **24.4851, 0.3792, 0.3269**.

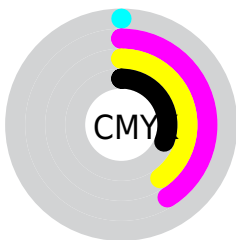
Distribution



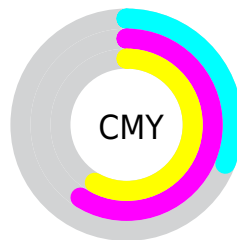
- Red (69%)
- Green (41%)
- Blue (42%)



- Red (69%)
- Yellow (41%)
- Blue (42%)



- Cyan (0%)
- Magenta (41%)
- Yellow (40%)
- Black (31%)





- Cyan (31%)
- Magenta (59%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1713, 0.4118, 0.3263 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 20.1713, 0.4118, 0.3263 by changing the saturation by 10% instead.


 20.1713, 0.4118,
0.3263

 20.1713, 0.4118,
0.3263


252.8410, 0.3549,
0.3294


 12.5196, 0.4290,
0.3246


 43.7042, 0.3890,
0.3280

 7.0986, 0.4533,
0.3216


 60.3542, 0.3811,
0.3285

 3.5238, 0.4897,
0.3158

 80.7724, 0.3747,
0.3288

 1.4109, 0.5531,
0.3048

 105.3433, 0.3694,
0.3290

 0.2248, 0.8046,
0.1954


134.4512, 0.3649,
0.3291


 0.0000, 0.0000,
0.0000


168.4805, 0.3611,


0.3293

207.8156, 0.3578,
0.3293

 20.1713, 0.4118,
0.3263

 20.1713, 0.4118,
0.3263

 16.6699, 0.4508,
0.3258


 24.4851, 0.3792,
0.3269


 13.9274, 0.4952,
0.3256


 29.6546, 0.3526,
0.3276


 11.8884, 0.5420,
0.3258


 35.7236, 0.3312,
0.3283


 10.4888, 0.5854,
0.3265

 42.7319, 0.3141,
0.3289

 9.6530, 0.6185,
0.3277


 50.7172, 0.3003,
0.3295

 9.2409, 0.6370,
0.3283

 59.7148, 0.2892,
0.3301

 69.7584, 0.2802,
0.3306

 80.8803, 0.2728,
0.3310

 87.9701, 0.2681,
0.3289

Harmonies

Analogous

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



20.1713, 0.3657, 0.2850



20.1713, 0.4118, 0.3263



20.1713, 0.4279, 0.3711

Triad

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



20.1713, 0.4118, 0.3263



20.1713, 0.3100, 0.4230



20.1713, 0.2209, 0.2440

Complementary

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



20.1713, 0.4118, 0.3263



37.0497, 0.2587, 0.3320

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.



20.1713, 0.2095, 0.2710



20.1713, 0.4118, 0.3263



20.1713, 0.2576, 0.3782

Square

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



20.1713, 0.4118, 0.3263



20.1713, 0.3659, 0.4333



20.1713, 0.2220, 0.3194



20.1713, 0.2548, 0.2392

Rectangle

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



20.1713, 0.4118, 0.3263



20.1713, 0.4193, 0.3989



20.1713, 0.2220, 0.3194



20.1713, 0.2145, 0.2504

Sweetspot

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



20.1723, 0.4118, 0.3263



63.2615, 0.3338, 0.3282



21.9888, 0.3145, 0.2294



13.3954, 0.3363, 0.3281



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.1723, 0.4118, 0.3263



30.8339, 0.4464, 0.3258



28.2926, 0.3939, 0.3786



8.5090, 0.3283, 0.3284



6.7817, 0.6364, 0.3279



0.2146, 0.6211, 0.3195

Inverse Universe

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



20.1723, 0.4118, 0.3263



30.8339, 0.4464, 0.3258



25.5436, 0.2487, 0.2729



8.5090, 0.3283, 0.3284



6.7817, 0.6364, 0.3279



0.2146, 0.6211, 0.3195

Previews

White Background



This preview shows how the Yxy color 20.1713, 0.4118, 0.3263 looks on a white background.

Color Contrast Check

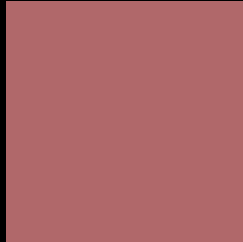
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1713, 0.4118, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

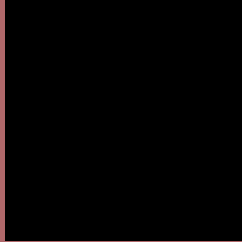
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1713, 0.4118, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 20.1713, 0.4118, 0.3263.



This preview shows how white text looks on a background with the Yxy color 20.1713, 0.4118, 0.3263.

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

20.1713, 0.4118, 0.3263

Protanopia

20.3434, 0.3280, 0.3437

Deuteranopia

20.3415, 0.3646, 0.3589



Tritanopia

20.0783, 0.4050, 0.3174

Trichromacy



Original Color

20.1713, 0.4118, 0.3263

Protanomaly

20.0034, 0.3570, 0.3378

Deuteranomaly

20.1020, 0.3823, 0.3458

Tritanomaly

20.0347, 0.4080, 0.3204

Monochromacy



Original Color

20.1713, 0.4118, 0.3263

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.2181, 0.3450, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1713, 0.4118, 0.3263 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(176, 104, 106)` looks like.

```
.text, #text, p{  
    color:rgb(176, 104, 106)  
}
```

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(176, 104, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 104, 106) }
```

Border

The CSS property to change the border of an element to Yxy 20.1713, 0.4118, 0.3263 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(176, 104, 106) }
```

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

```
.border{ border-color:rgb(176, 104, 106) }
```

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

Here you see how a box with a 4 pixel rgb(176, 104, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 104, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 104, 106);  
box-shadow:4px 4px 4px 4px rgb(176, 104,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1713, 0.4118, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 104, 106) }
```

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

```
.background{ background-color: rgb(176,  
104, 106) }
```

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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