

Converting Colors

$Y_{xy}(18.1091, 0.4908, 0.3573)$

Have a look what the booklet for
Yxy(18.1091, 0.4908, 0.3573)
contains.

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Color

Yxy(18.1688, 0.4913, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	BA5A44
RGB	186, 90, 68
RGB Percent	73%, 35%, 27%
CMY	0.2706, 0.6470, 0.7333
CMYK	0.00, 0.52, 0.63, 0.27
HSL	11°, 46%, 50%
HSV	11°, 63%, 73%
XYZ	24.9478, 18.1688, 7.6626
YIQ	116.1960, 64.2780, 13.5100

Conversions

Conversions Part 2

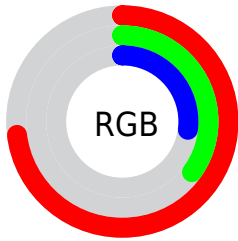
Format	Color
R _Y B	186, 95, 68
Decimal	12212804
CIE Lab	49.70, 36.95, 30.70
CIE LCh	50, 48.039, 39.728
Yxy	18.1688, 0.4913, 0.3578
Android (android.graphics.Color)	4290402884 (0xFFBA5A44)
YUV	116.1960, -23.7606, 61.2181
Hunter-Lab	42.6249, 29.8804, 19.1790

Details

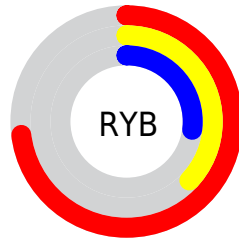
The Yxy color **18.1688, 0.4913, 0.3578** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **31.3212, 0.2291, 0.2926**, and the grayscale version is **17.5893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2232, 0.4503, 0.3559**, and **6.0956, 0.5592, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **15.6792, 0.5330, 0.3584**, and if you desaturate by 10%, it is **21.2519, 0.4512, 0.3549**.

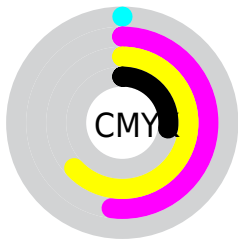
Distribution



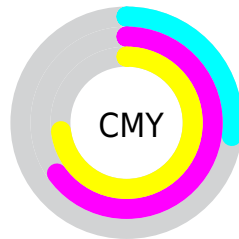
- Red (73%)
- Green (35%)
- Blue (27%)



- Red (73%)
- Yellow (37%)
- Blue (27%)



- Cyan (0%)
- Magenta (52%)
- Yellow (63%)
- Black (27%)




- Cyan (27%)
- Magenta (65%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1688, 0.4913, 0.3578 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 18.1688, 0.4913, 0.3578 by changing the saturation by 10% instead.


 18.1688, 0.4913,
0.3578


 18.1688, 0.4913,
0.3578


241.8208, 0.3886,
0.3481


 11.0712, 0.5210,
0.3568


 40.3247, 0.4508,
0.3563


 6.1148, 0.5606,
0.3522

 56.1519, 0.4365,
0.3551

 2.9150, 0.6270,
0.3459

 75.6578, 0.4248,
0.3537

 1.0875, 0.6927,
0.3073

 99.2267, 0.4151,
0.3525

 0.0000, 1.0000,
0.0000

 127.2430, 0.4069,
0.3512

 0.0000, 0.0000,
0.0000

160.0912, 0.3999,

0.3501

198.1557, 0.3939,
0.3491

■ 18.1688, 0.4913,
0.3578

■ 18.1688, 0.4913,
0.3578

■ 15.6792, 0.5330,
0.3584

■ 21.2519, 0.4512,
0.3549

■ 13.7415, 0.5723,
0.3559

■ 24.9610, 0.4151,
0.3506

■ 12.3129, 0.6040,
0.3502

■ 29.3293, 0.3840,
0.3456

■ 11.6214, 0.6201,
0.3458

■ 34.3870, 0.3579,
0.3404

■ 40.1623, 0.3361,
0.3353

■ 46.6821, 0.3181,
0.3306

■ 53.9714, 0.3033,
0.3261

■ 62.0546, 0.2910,
0.3221

■ 70.9545, 0.2807,
0.3185

Harmonies

Analogous

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



18.1688, 0.4468, 0.2956



18.1688, 0.4913, 0.3578



18.1688, 0.4768, 0.4227

Triad

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



18.1688, 0.4913, 0.3578



18.1688, 0.2522, 0.4462



18.1688, 0.2013, 0.1946

Complementary

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



18.1688, 0.4913, 0.3578



31.3212, 0.2291, 0.2926

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.



18.1688, 0.1663, 0.2098



18.1688, 0.4913, 0.3578



18.1688, 0.1900, 0.3461

Square

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



18.1688, 0.4913, 0.3578



18.1688, 0.3357, 0.4983



18.1688, 0.1619, 0.2590



18.1688, 0.2678, 0.2069

Rectangle

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



18.1688, 0.4913, 0.3578



18.1688, 0.4409, 0.4628



18.1688, 0.1619, 0.2590



18.1688, 0.1862, 0.1964

Sweetspot

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



18.1698, 0.4913, 0.3578



66.4869, 0.3484, 0.3383



17.2669, 0.3483, 0.2070



13.9977, 0.3549, 0.3397



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



18.1698, 0.4913, 0.3578



26.9649, 0.5486, 0.3579



32.2334, 0.4309, 0.4343



9.2760, 0.3283, 0.3333



7.9022, 0.6182, 0.3474



0.3611, 0.5716, 0.3844

Inverse Universe

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



31.3212, 0.2291, 0.2926



52.4009, 0.2182, 0.2833



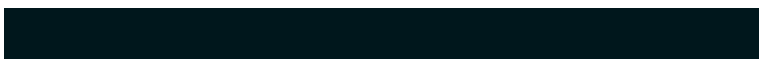
14.9531, 0.2048, 0.1875



9.9182, 0.2985, 0.3246



17.4460, 0.2081, 0.2690



0.6897, 0.2128, 0.2861

Previews

White Background



This preview shows how the Yxy color 18.1688, 0.4913, 0.3578 looks on a white background.

Color Contrast Check

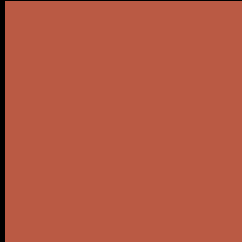
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.1688, 0.4913, 0.3578 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 18.1688, 0.4913, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 18.1688, 0.4913, 0.3578.



This preview shows how white text looks on a background with the Yxy color 18.1688, 0.4913, 0.3578.

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

18.1688, 0.4913, 0.3578

Protanopia

18.4253, 0.3746, 0.4046

Deuteranopia

18.1889, 0.4209, 0.4143



Tritanopia

18.1715, 0.4576, 0.3213

Trichromacy



Original Color

18.1688, 0.4913, 0.3578

Protanomaly

17.7172, 0.4177, 0.3852

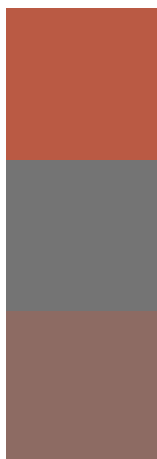
Deuteranomaly

17.9584, 0.4472, 0.3917

Tritanomaly

18.1843, 0.4710, 0.3348

Monochromacy



Original Color

18.1688, 0.4913, 0.3578

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.0790, 0.3721, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1688, 0.4913, 0.3578 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(186, 90, 68)` looks like.

```
.text, #text, p{  
    color:rgb(186, 90, 68)  
}
```

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(186, 90, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 90, 68) }
```

Border

The CSS property to change the border of an element to Yxy 18.1688, 0.4913, 0.3578 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(186, 90, 68) }
```

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

```
.border{ border-color:rgb(186, 90, 68) }
```

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

Here you see how a box with a 4 pixel rgb(186, 90, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 90, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 90, 68);  
box-shadow:4px 4px 4px 4px rgb(186, 90,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1688, 0.4913, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 90, 68) }
```

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

```
.background{ background-color: rgb(186, 90,  
68) }
```

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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