

Converting Colors

$Y_{xy}(18.0900, 0.4933, 0.3563)$

Have a look what the booklet for
Yxy(18.0900, 0.4933, 0.3563)
contains.

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Color

Yxy(18.1269, 0.4935, 0.3563)

Conversions

Conversions Part 1

Format	Color
Hex	BB5944
RGB	187, 89, 68
RGB Percent	73%, 35%, 27%
CMY	0.2667, 0.6509, 0.7334
CMYK	0.00, 0.52, 0.64, 0.27
HSL	11°, 47%, 50%
HSV	11°, 64%, 73%
XYZ	25.1070, 18.1269, 7.6415
YIQ	115.9080, 65.1490, 14.2450

Conversions

Conversions Part 2

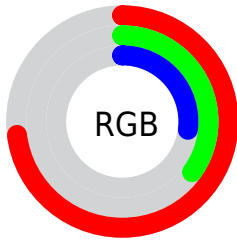
Format	Color
R_{YB}	187, 94, 68
Decimal	12278084
CIE Lab	49.65, 37.84, 30.69
CIE LCh	50, 48.725, 39.044
Yxy	18.1269, 0.4935, 0.3563
Android (android.graphics.Color)	4290468164 (0xFFBB5944)
YUV	115.9080, -23.6186, 62.3477
Hunter-Lab	42.5757, 30.7545, 19.1616

Details

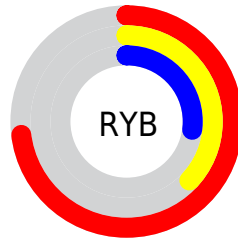
The Yxy color **18.1269, 0.4935, 0.3563** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.0726, 0.2293, 0.2944**, and the grayscale version is **17.4950, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1083, 0.4518, 0.3547**, and **6.0414, 0.5636, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **15.6347, 0.5356, 0.3567**, and if you desaturate by 10%, it is **21.2296, 0.4529, 0.3536**.

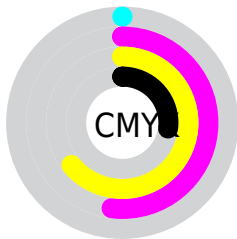
Distribution



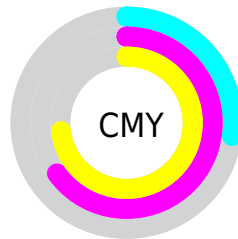
- Red (73%)
- Green (35%)
- Blue (27%)



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



- Cyan (0%)
- Magenta (52%)
- Yellow (64%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1269, 0.4935, 0.3563 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 18.1269, 0.4935, 0.3563 by changing the saturation by 10% instead.


 18.1269, 0.4935,
0.3563


 18.1269, 0.4935,
0.3563


241.5853, 0.3895,
0.3476


 11.0411, 0.5235,
0.3549


 40.2534, 0.4525,
0.3552


 6.0945, 0.5637,
0.3499

 56.0630, 0.4380,
0.3541


 2.9026, 0.6308,
0.3429

 75.5493, 0.4262,
0.3529

 1.0811, 0.6968,
0.3032

 99.0967, 0.4164,
0.3517

 0.0000, 1.0000,
0.0000

 127.0896, 0.4081,
0.3506

 0.0000, 0.0000,
0.0000

159.9124, 0.4010,

0.3495

197.9495, 0.3948,
0.3485

■ 18.1269, 0.4935,
0.3563

■ 18.1269, 0.4935,
0.3563

■ 15.6347, 0.5356,
0.3567

■ 21.2296, 0.4529,
0.3536

■ 13.7092, 0.5750,
0.3542

■ 24.9770, 0.4164,
0.3496

■ 12.3053, 0.6065,
0.3485

■ 29.4039, 0.3850,
0.3448

■ 11.6538, 0.6218,
0.3445

■ 34.5420, 0.3585,
0.3399

■ 40.4210, 0.3366,
0.3351

■ 47.0686, 0.3185,
0.3306

■ 54.5115, 0.3036,
0.3264

■ 62.7746, 0.2912,
0.3226

■ 71.8822, 0.2810,
0.3191

Harmonies

Analogous

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



18.1269, 0.4471, 0.2937



18.1269, 0.4935, 0.3563



18.1269, 0.4798, 0.4219

Triad

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



18.1269, 0.4935, 0.3563



18.1269, 0.2529, 0.4502



18.1269, 0.1987, 0.1930

Complementary

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



18.1269, 0.4935, 0.3563



32.0726, 0.2293, 0.2944

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.



18.1269, 0.1641, 0.2089



18.1269, 0.4935, 0.3563



18.1269, 0.1894, 0.3486

Square

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



18.1269, 0.4935, 0.3563



18.1269, 0.3377, 0.5013



18.1269, 0.1603, 0.2594



18.1269, 0.2652, 0.2049

Rectangle

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



18.1269, 0.4935, 0.3563



18.1269, 0.4439, 0.4630



18.1269, 0.1603, 0.2594



18.1269, 0.1837, 0.1950

Sweetspot

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



18.1279, 0.4935, 0.3563



66.2728, 0.3485, 0.3378



17.4914, 0.3456, 0.2046



13.9455, 0.3551, 0.3392



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.



18.1279, 0.4935, 0.3563



26.6557, 0.5503, 0.3562



31.9479, 0.4332, 0.4323



9.8017, 0.3284, 0.3331



8.1070, 0.6201, 0.3459



0.4025, 0.5773, 0.3798

Inverse Universe

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



32.0726, 0.2293, 0.2944



53.2806, 0.2188, 0.2858



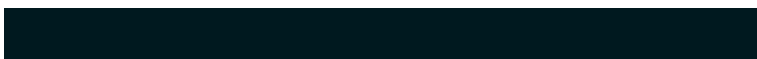
15.4675, 0.2052, 0.1903



10.5149, 0.2985, 0.3248



18.4795, 0.2090, 0.2723



0.8003, 0.2131, 0.2872

Previews

White Background



This preview shows how the Yxy color 18.1269, 0.4935, 0.3563 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 18.1269, 0.4935, 0.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

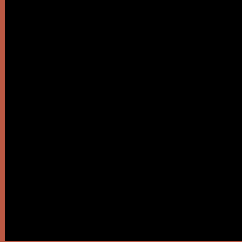
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1269, 0.4935, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 18.1269, 0.4935, 0.3563.



This preview shows how white text looks on a background with the Yxy color 18.1269, 0.4935, 0.3563.

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

18.1269, 0.4935, 0.3563

Protanopia

18.4253, 0.3746, 0.4046

Deuteranopia

18.1889, 0.4209, 0.4143



Tritanopia

18.1196, 0.4612, 0.3214

Trichromacy



Original Color

18.1269, 0.4935, 0.3563

Protanomaly

17.7172, 0.4177, 0.3852

Deuteranomaly

17.7559, 0.4483, 0.3901

Tritanomaly

18.1323, 0.4746, 0.3347

Monochromacy



Original Color

18.1269, 0.4935, 0.3563

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.9597, 0.3741, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1269, 0.4935, 0.3563 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(187, 89, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 89, 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(187, 89, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 89, 68) }
```

Border

The CSS property to change the border of an element to Yxy 18.1269, 0.4935, 0.3563 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(187, 89, 68) }
```

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

```
.border{ border-color:rgb(187, 89, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 89, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 89, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 89, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 89,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1269, 0.4935, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 89, 68) }
```

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

```
.background{ background-color: rgb(187, 89,  
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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