

Converting Colors

$Y_{xy}(13.8814, 0.4682, 0.3081)$

Have a look what the booklet for
Yxy(13.8814, 0.4682, 0.3081)
contains.

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Color

Yxy(13.7964, 0.4672, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	AD4555
RGB	173, 69, 85
RGB Percent	68%, 27%, 33%
CMY	0.3216, 0.7294, 0.6666
CMYK	0.00, 0.60, 0.51, 0.32
HSL	351°, 43%, 47%
HSV	351°, 60%, 68%
XYZ	21.0025, 13.7964, 10.1551
YIQ	101.9200, 56.8480, 27.0240

Conversions

Conversions Part 2

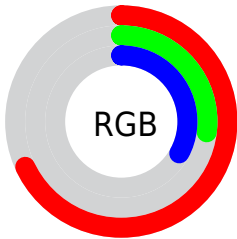
Format	Color
R_{YB}	173, 69, 85
Decimal	11355477
CIE Lab	43.94, 43.92, 12.64
CIE LCh	44, 45.707, 16.060
Yxy	13.7964, 0.4672, 0.3069
Android (android.graphics.Color)	4289545557 (0xFFAD4555)
YUV	101.9200, -8.3416, 62.3372
Hunter-Lab	37.1435, 35.9304, 9.7904

Details

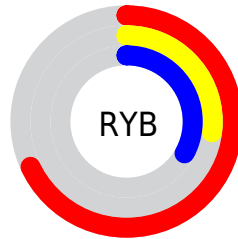
The Yxy color **13.7964, 0.4672, 0.3069** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **33.5869, 0.2493, 0.3565**, and the grayscale version is **13.2770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7961, 0.4288, 0.3157**, and **4.1055, 0.5424, 0.2890** is the 20% darker color. If you saturate the color by 10%, you get **11.7610, 0.5092, 0.3061**, and if you desaturate by 10%, it is **16.5018, 0.4289, 0.3095**.

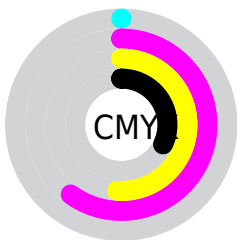
Distribution



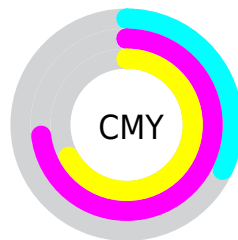
- Red (68%)
- Green (27%)
- Blue (33%)



- Red (68%)
- Yellow (27%)
- Blue (33%)



- Cyan (0%)
- Magenta (60%)
- Yellow (51%)
- Black (32%)



- Cyan (32%)
- Magenta (73%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7964, 0.4672, 0.3069 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 13.7964, 0.4672, 0.3069 by changing the saturation by 10% instead.


 13.7964, 0.4672,
0.3069

 13.7964, 0.4672,
0.3069


215.9605, 0.3741,
0.3232


 7.9792, 0.4974,
0.2998

 32.7273, 0.4286,
0.3147


 4.0816, 0.5413,
0.2880

 46.6098, 0.4157,
0.3169


 1.7193, 0.6100,
0.2665

 63.9496, 0.4053,
0.3187

 0.4361, 0.7925,
0.2075

 85.1310, 0.3968,
0.3200

 0.0000, 1.0000,
0.0000

 110.5383, 0.3897,
0.3210

 0.0000, 0.0000,
0.0000

140.5561, 0.3837,

0.3219

175.5687, 0.3786,
0.3226

■ 13.7964, 0.4672,
0.3069

■ 13.7964, 0.4672,
0.3069

■ 11.7610, 0.5092,
0.3061

■ 16.5018, 0.4289,
0.3095

■ 10.3347, 0.5515,
0.3077

■ 19.9267, 0.3959,
0.3131

■ 9.4494, 0.5891,
0.3121

■ 24.1185, 0.3684,
0.3171

■ 8.9620, 0.6176,
0.3176

■ 29.1198, 0.3459,
0.3212

■ 34.9702, 0.3276,
0.3252

■ 41.7067, 0.3129,
0.3290

■ 49.3639, 0.3009,
0.3324

■ 57.9749, 0.2912,
0.3356

■ 67.5708, 0.2833,
0.3384

Harmonies

Analogous

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



13.7964, 0.3818, 0.2497



13.7964, 0.4672, 0.3069



13.7964, 0.5001, 0.3718

Triad

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



13.7964, 0.4672, 0.3069



13.7964, 0.3167, 0.5015



13.7964, 0.1664, 0.1995

Complementary

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



13.7964, 0.4672, 0.3069



33.5869, 0.2493, 0.3565

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.



13.7964, 0.1551, 0.2417



13.7964, 0.4672, 0.3069



13.7964, 0.2331, 0.4317

Square

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



13.7964, 0.4672, 0.3069



13.7964, 0.4038, 0.4939



13.7964, 0.1763, 0.3244



13.7964, 0.2090, 0.1906

Rectangle

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



13.7964, 0.4672, 0.3069



13.7964, 0.4875, 0.4166



13.7964, 0.1763, 0.3244



13.7964, 0.1592, 0.2094

Sweetspot

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



13.7971, 0.4672, 0.3069



53.9234, 0.3423, 0.3220



14.3085, 0.2963, 0.1818



11.1190, 0.3480, 0.3208



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.7971, 0.4672, 0.3069



20.1477, 0.5227, 0.3063



19.1482, 0.4601, 0.3794



8.0347, 0.3263, 0.3255



6.5894, 0.6155, 0.3165



0.1893, 0.5469, 0.2787

Inverse Universe

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



13.7971, 0.4672, 0.3069



20.1477, 0.5227, 0.3063



22.5558, 0.2262, 0.2667



8.0347, 0.3263, 0.3255



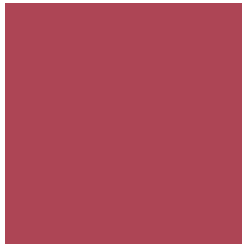
6.5894, 0.6155, 0.3165



0.1893, 0.5469, 0.2787

Previews

White Background



This preview shows how the Yxy color 13.7964, 0.4672, 0.3069 looks on a white background.

Color Contrast Check

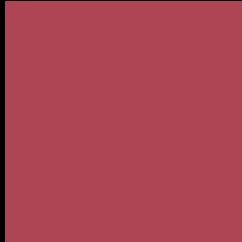
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7964, 0.4672, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

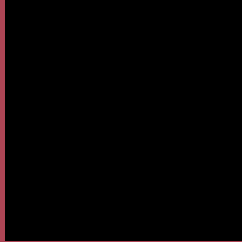
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7964, 0.4672, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 13.7964, 0.4672, 0.3069.



This preview shows how white text looks on a background with the Yxy color 13.7964, 0.4672, 0.3069.

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

13.7964, 0.4672, 0.3069

Protanopia

14.0057, 0.3183, 0.3312

Deuteranopia

13.9045, 0.3769, 0.3698



Tritanopia

13.7851, 0.4826, 0.3239

Trichromacy



Original Color

13.7964, 0.4672, 0.3069

Protanomaly

13.1520, 0.3695, 0.3195

Deuteranomaly

13.4167, 0.4100, 0.3421

Tritanomaly

13.7155, 0.4762, 0.3168

Monochromacy



Original Color

13.7964, 0.4672, 0.3069

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7461, 0.3652, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7964, 0.4672, 0.3069 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(173, 69, 85)` looks like.

```
.text, #text, p{  
  color:rgb(173, 69, 85)  
}
```

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(173, 69, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 69, 85) }
```

Border

The CSS property to change the border of an element to Yxy 13.7964, 0.4672, 0.3069 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(173, 69, 85) }
```

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

```
.border{ border-color:rgb(173, 69, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 69, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 69, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 69, 85);  
box-shadow:4px 4px 4px 4px rgb(173, 69,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7964, 0.4672, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 69, 85) }
```

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

```
.background{ background-color: rgb(173, 69,  
85) }
```

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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