

Converting Colors

$Y_{xy}(10.0026, 0.5619, 0.3009)$

Have a look what the booklet for
Yxy(10.0026, 0.5619, 0.3009)
contains.

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Color

Yxy(10.0026, 0.5619, 0.3009)

Conversions

Conversions Part 1

Format	Color
Hex	AF1737
RGB	175, 23, 55
RGB Percent	69%, 9%, 22%
CMY	0.3136, 0.9100, 0.7843
CMYK	0.00, 0.87, 0.69, 0.31
HSL	347°, 77%, 39%
HSV	347°, 87%, 69%
XYZ	18.6788, 10.0026, 4.5608
YIQ	72.0960, 80.3200, 42.1760

Conversions

Conversions Part 2

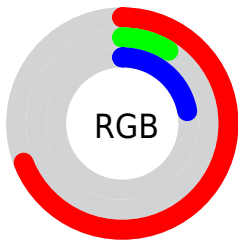
Format	Color
R_{YB}	175, 23, 55
Decimal	11474743
CIE Lab	37.85, 58.60, 23.38
CIE LCh	38, 63.090, 21.753
Yxy	10.0026, 0.5619, 0.3009
Android (android.graphics.Color)	4289664823 (0xFFAF1737)
YUV	72.0960, -8.4283, 90.2468
Hunter-Lab	31.6269, 50.0750, 13.5887

Details

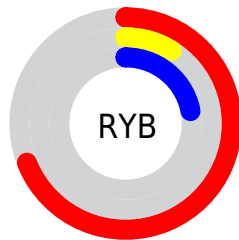
The Yxy color **10.0026, 0.5619, 0.3009** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **32.8322, 0.2437, 0.3876**, and the grayscale version is **6.4983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7802, 0.4973, 0.3147**, and **3.6739, 0.6195, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **9.3962, 0.5947, 0.3079**, and if you desaturate by 10%, it is **11.0923, 0.5231, 0.2971**.

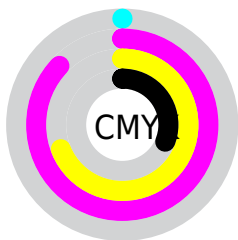
Distribution



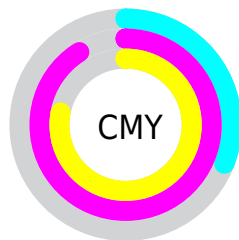
- Red (69%)
- Green (9%)
- Blue (22%)



- Red (69%)
- Yellow (9%)
- Blue (22%)



- Cyan (0%)
- Magenta (87%)
- Yellow (69%)
- Black (31%)




- Cyan (31%)
- Magenta (91%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0026, 0.5619, 0.3009 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 10.0026, 0.5619, 0.3009 by changing the saturation by 10% instead.


 10.0026, 0.5619,
0.3009


 10.0026, 0.5619,
0.3009


190.6906, 0.4079,
0.3273


 5.4007, 0.6113,
0.2861

 25.8004, 0.4977,
0.3154

 2.4842, 0.6842,
0.2614

 37.7651, 0.4761,
0.3192


 0.8687, 0.7863,
0.2137

 52.9528, 0.4589,
0.3218

 0.0000, 1.0000,
0.0000

 71.7479, 0.4449,
0.3236

 0.0000, 0.0000,
0.0000

 94.5348, 0.4332,
0.3249

 121.6980, 0.4234,

0.3259

153.6218, 0.4151,
0.3267

■ 10.0026, 0.5619,
0.3009

■ 10.0026, 0.5619,
0.3009

■ 9.3962, 0.5947,
0.3079

■ 11.0923, 0.5231,
0.2971

■ 9.2493, 0.6037,
0.3099

■ 12.7571, 0.4826,
0.2968

■ 15.0639, 0.4443,
0.2993

■ 18.0698, 0.4103,
0.3036

■ 21.8257, 0.3814,
0.3089

■ 26.3775, 0.3574,
0.3145

■ 31.7677, 0.3378,
0.3201

■ 38.0355, 0.3219,
0.3255

■ 45.2178, 0.3090,
0.3305

Harmonies

Analogous

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



10.0026, 0.4433, 0.2282



10.0026, 0.5619, 0.3009



10.0026, 0.5771, 0.3808

Triad

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



10.0026, 0.5619, 0.3009



10.0026, 0.2762, 0.5973



10.0026, 0.1216, 0.1441

Complementary

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



10.0026, 0.5619, 0.3009



32.8322, 0.2437, 0.3876

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.



10.0026, 0.0999, 0.1827



10.0026, 0.5619, 0.3009



10.0026, 0.1710, 0.4605

Square

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



10.0026, 0.5619, 0.3009



10.0026, 0.3978, 0.5755



10.0026, 0.1124, 0.2830



10.0026, 0.1813, 0.1430

Rectangle

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



10.0026, 0.5619, 0.3009



10.0026, 0.5393, 0.4441



10.0026, 0.1124, 0.2830



10.0026, 0.1106, 0.1520

Sweetspot

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



10.0032, 0.5619, 0.3009



47.6177, 0.3565, 0.3148



9.4642, 0.2742, 0.1351



9.9283, 0.3640, 0.3128



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.



10.0032, 0.5619, 0.3009



16.5348, 0.6074, 0.3120



13.0791, 0.5629, 0.3720



8.0419, 0.3254, 0.3242



6.6295, 0.6010, 0.3085



0.1922, 0.5210, 0.2644

Inverse Universe

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



10.0032, 0.5619, 0.3009



16.5348, 0.6074, 0.3120



19.7626, 0.2052, 0.2482



8.0419, 0.3254, 0.3242



6.6295, 0.6010, 0.3085



0.1922, 0.5210, 0.2644

Previews

White Background



This preview shows how the Yxy color 10.0026, 0.5619, 0.3009 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 ✓ Pass

Black Background



This preview shows how the Yxy color 10.0026, 0.5619, 0.3009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

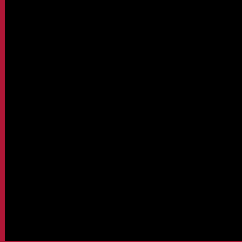
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0026, 0.5619, 0.3009

Background



This preview shows how black text looks on a background with the Yxy color 10.0026, 0.5619, 0.3009.



This preview shows how white text looks on a background with the Yxy color 10.0026, 0.5619, 0.3009.

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

10.0026, 0.5619, 0.3009

Protanopia

10.3097, 0.3378, 0.3559

Deuteranopia

10.2403, 0.4200, 0.4137



Tritanopia

10.0159, 0.5988, 0.3306

Trichromacy



Original Color

10.0026, 0.5619, 0.3009

Protanomaly

8.6237, 0.4233, 0.3212

Deuteranomaly

8.8536, 0.4850, 0.3524

Tritanomaly

9.9225, 0.5887, 0.3210

Monochromacy



Original Color

10.0026, 0.5619, 0.3009

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.2829, 0.4138, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0026, 0.5619, 0.3009 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(175, 23, 55)` looks like.

```
.text, #text, p{  
    color:rgb(175, 23, 55)  
}
```

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(175, 23, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 23, 55) }
```

Border

The CSS property to change the border of an element to Yxy 10.0026, 0.5619, 0.3009 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(175, 23, 55) }
```

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

```
.border{ border-color:rgb(175, 23, 55) }
```

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

Here you see how a box with a 4 pixel rgb(175, 23, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 23, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 23, 55);  
box-shadow:4px 4px 4px 4px rgb(175, 23,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0026, 0.5619, 0.3009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 23, 55) }
```

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

```
.background{ background-color: rgb(175, 23,  
55) }
```

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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