

Converting Colors

$Y_{xy}(10.4449, 0.5485, 0.3060)$

Have a look what the booklet for
Yxy(10.4449, 0.5485, 0.3060)
contains.

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Color

Yxy(10.5062, 0.5477, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	AE233A
RGB	174, 35, 58
RGB Percent	68%, 14%, 23%
CMY	0.3176, 0.8628, 0.7726
CMYK	0.00, 0.80, 0.67, 0.32
HSL	350°, 67%, 41%
HSV	350°, 80%, 68%
XYZ	18.8232, 10.5062, 5.0383
YIQ	79.1830, 75.4610, 36.6210

Conversions

Conversions Part 2

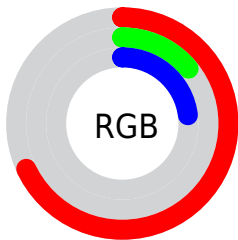
Format	Color
RYB	174, 35, 58
Decimal	11412282
CIELab	38.74, 55.51, 22.57
CIElCh	39, 59.926, 22.126
Yxy	10.5062, 0.5477, 0.3057
Android (android.graphics.Color)	4289602362 (0xFFAE233A)
YUV	79.1830, -10.4432, 83.1545
Hunter-Lab	32.4133, 46.9361, 13.4733

Details

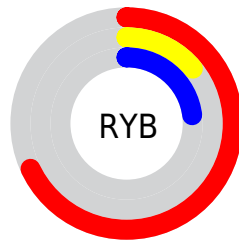
The Yxy color **10.5062, 0.5477, 0.3057** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **32.8700, 0.2412, 0.3702**, and the grayscale version is **7.8634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6875, 0.4867, 0.3182**, and **3.6148, 0.6134, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **9.5976, 0.5854, 0.3102**, and if you desaturate by 10%, it is **11.9653, 0.5057, 0.3042**.

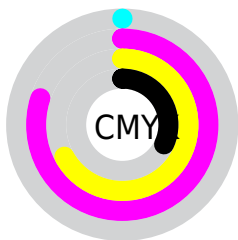
Distribution



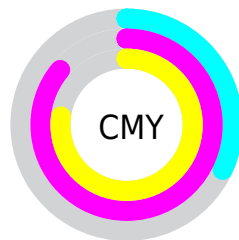
- Red (68%)
- Green (14%)
- Blue (23%)



- Red (68%)
- Yellow (14%)
- Blue (23%)



- Cyan (0%)
- Magenta (80%)
- Yellow (67%)
- Black (32%)





- Cyan (32%)
- Magenta (86%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5062, 0.5477, 0.3057 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 10.5062, 0.5477, 0.3057 by changing the saturation by 10% instead.


 10.5062, 0.5477,
0.3057


 10.5062, 0.5477,
0.3057


194.2477, 0.4029,
0.3282

 5.7359, 0.5944,
0.2928

 26.7434, 0.4873,
0.3182


 2.6851, 0.6614,
0.2702

 38.9790, 0.4670,
0.3214


 0.9697, 0.7697,
0.2303

 54.4718, 0.4508,
0.3236

 0.0000, 1.0000,
0.0000

 73.6062, 0.4377,
0.3252

 0.0000, 0.0000,
0.0000

 96.7666, 0.4267,
0.3263

 124.3374, 0.4175,

0.3271

156.7029, 0.4096,
0.3277

■ 10.5062, 0.5477,
0.3057

■ 10.5062, 0.5477,
0.3057

■ 9.5976, 0.5854,
0.3102

■ 11.9653, 0.5057,
0.3042

■ 9.0929, 0.6149,
0.3162

■ 14.0423, 0.4642,
0.3052

■ 9.0884, 0.6151,
0.3162

■ 16.7972, 0.4265,
0.3080

■ 20.2821, 0.3941,
0.3119

■ 24.5441, 0.3671,
0.3163

■ 29.6264, 0.3450,
0.3207

■ 35.5688, 0.3271,
0.3250

■ 42.4089, 0.3126,
0.3290

■ 50.1816, 0.3008,
0.3327

Harmonies

Analogous

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



10.5062, 0.4372, 0.2346



10.5062, 0.5477, 0.3057



10.5062, 0.5640, 0.3842

Triad

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



10.5062, 0.5477, 0.3057



10.5062, 0.2803, 0.5770



10.5062, 0.1303, 0.1524

Complementary

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



10.5062, 0.5477, 0.3057



32.8700, 0.2412, 0.3702

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.



10.5062, 0.1088, 0.1903



10.5062, 0.5477, 0.3057



10.5062, 0.1789, 0.4490

Square

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



10.5062, 0.5477, 0.3057



10.5062, 0.3954, 0.5624



10.5062, 0.1215, 0.2860



10.5062, 0.1891, 0.1512

Rectangle

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



10.5062, 0.5477, 0.3057



10.5062, 0.5279, 0.4434



10.5062, 0.1215, 0.2860



10.5062, 0.1194, 0.1602

Sweetspot

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



10.5068, 0.5477, 0.3057



49.3684, 0.3544, 0.3187



10.8218, 0.2880, 0.1486



10.2711, 0.3624, 0.3172



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.



10.5068, 0.5477, 0.3057



16.7104, 0.6086, 0.3155



15.0550, 0.5290, 0.3842



8.0362, 0.3261, 0.3253



6.5966, 0.6129, 0.3150



0.1899, 0.5414, 0.2756

Inverse Universe

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



10.5068, 0.5477, 0.3057



16.7104, 0.6086, 0.3155



18.7661, 0.2063, 0.2418



8.0362, 0.3261, 0.3253



6.5966, 0.6129, 0.3150



0.1899, 0.5414, 0.2756

Previews

White Background



This preview shows how the Yxy color 10.5062, 0.5477, 0.3057 looks on a white background.

Color Contrast Check

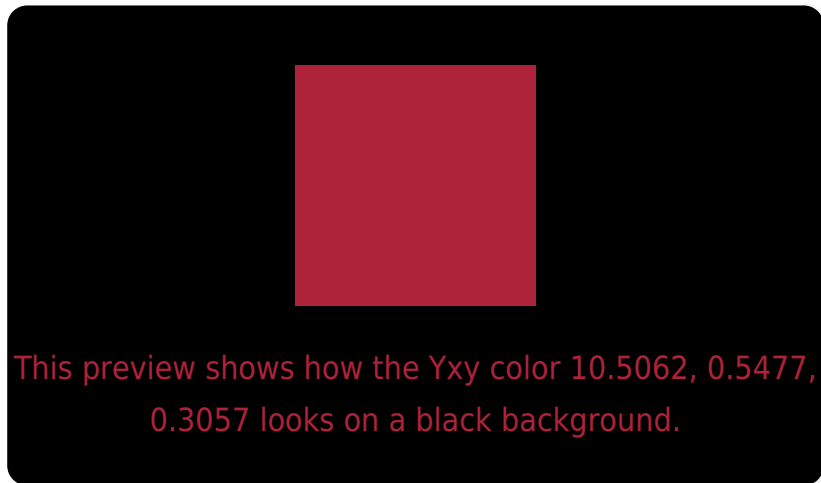
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 10.5062, 0.5477, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 10.5062, 0.5477, 0.3057.



This preview shows how white text looks on a background with the Yxy color 10.5062, 0.5477, 0.3057.

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

10.5062, 0.5477, 0.3057

Protanopia

10.7749, 0.3389, 0.3578

Deuteranopia

10.7292, 0.4151, 0.4087



Tritanopia

10.4885, 0.5751, 0.3288

Trichromacy



Original Color

10.5062, 0.5477, 0.3057

Protanomaly

9.3343, 0.4165, 0.3273

Deuteranomaly

9.6735, 0.4711, 0.3564

Tritanomaly

10.4757, 0.5647, 0.3208

Monochromacy



Original Color

10.5062, 0.5477, 0.3057

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.5874, 0.4047, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5062, 0.5477, 0.3057 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(174, 35, 58)` looks like.

```
.text, #text, p{  
    color:rgb(174, 35, 58)  
}
```

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(174, 35, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 35, 58) }
```

Border

The CSS property to change the border of an element to Yxy 10.5062, 0.5477, 0.3057 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(174, 35, 58) }
```

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

```
.border{ border-color:rgb(174, 35, 58) }
```

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

Here you see how a box with a 4 pixel rgb(174, 35, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 35, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 35, 58);  
box-shadow:4px 4px 4px 4px rgb(174, 35,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5062, 0.5477, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 35, 58) }
```

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

```
.background{ background-color: rgb(174, 35,  
58) }
```

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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