

Converting Colors

$Y_{xy}(12.0024, 0.4064, 0.2509)$

Have a look what the booklet for
Yxy(12.0024, 0.4064, 0.2509)
contains.

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Color

Yxy(11.9570, 0.4060, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	A23B6F
RGB	162, 59, 111
RGB Percent	64%, 23%, 44%
CMY	0.3647, 0.7686, 0.5647
CMYK	0.00, 0.64, 0.31, 0.36
HSL	330°, 47%, 43%
HSV	330°, 64%, 64%
XYZ	19.3331, 11.9570, 16.3284
YIQ	95.7250, 44.6960, 38.0080

Conversions

Conversions Part 2

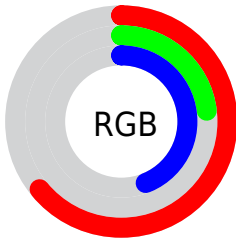
Format	Color
R_{YB}	162, 59, 111
Decimal	10632047
CIE Lab	41.15, 47.73, -7.73
CIE LCh	41, 48.347, 350.804
Yxy	11.9570, 0.4060, 0.2511
Android (android.graphics.Color)	4288822127 (0xFFA23B6F)
YUV	95.7250, 7.5306, 58.1232
Hunter-Lab	34.5789, 39.2865, -3.7919

Details

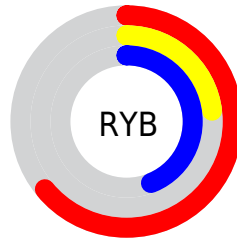
The Yxy color **11.9570, 0.4060, 0.2511** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **27.8956, 0.2713, 0.4315**, and the grayscale version is **11.6015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4483, 0.3829, 0.2690**, and **3.4847, 0.4504, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **10.3738, 0.4289, 0.2444**, and if you desaturate by 10%, it is **14.0740, 0.3851, 0.2610**.

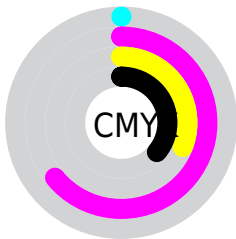
Distribution



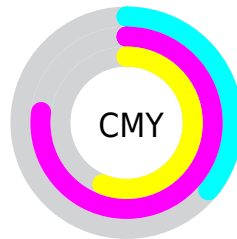
- Red (64%)
- Green (23%)
- Blue (44%)



- Red (64%)
- Yellow (23%)
- Blue (44%)



- Cyan (0%)
- Magenta (64%)
- Yellow (31%)
- Black (36%)





- Cyan (36%)
- Magenta (77%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.9570, 0.4060, 0.2511 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 11.9570, 0.4060, 0.2511 by changing the saturation by 10% instead.


 11.9570, 0.4060,
0.2511


 11.9570, 0.4060,
0.2511


204.1204, 0.3503,
0.2965


 6.7144, 0.4242,
0.2370


 29.4168, 0.3830,
0.2695


 3.2841, 0.4508,
0.2169

 42.4027, 0.3752,
0.2758


 1.2818, 0.4935,
0.1861

 58.7386, 0.3690,
0.2809

 0.1271, 0.6295,
0.0584

 78.8088, 0.3639,
0.2851

 0.0000, 1.0000,
0.0000

 102.9976, 0.3597,
0.2886

 0.0000, 0.0000,
0.0000

131.6896, 0.3561,

0.2916

165.2691, 0.3530,
0.2942

■ 11.9570, 0.4060,
0.2511

■ 11.9570, 0.4060,
0.2511

■ 10.3738, 0.4289,
0.2444

■ 14.0740, 0.3851,
0.2610

■ 9.2726, 0.4528,
0.2420

■ 16.7667, 0.3665,
0.2730

■ 8.5942, 0.4766,
0.2448

■ 20.0747, 0.3504,
0.2860

■ 8.2870, 0.4918,
0.2483

■ 24.0339, 0.3368,
0.2992

■ 28.6772, 0.3253,
0.3123

■ 34.0352, 0.3157,
0.3247

■ 40.1367, 0.3078,
0.3364

■ 47.0090, 0.3012,
0.3473

■ 54.6779, 0.2958,
0.3574

Harmonies

Analogous

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



11.9570, 0.2965, 0.2040



11.9570, 0.4060, 0.2511



11.9570, 0.4941, 0.3136

Triad

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



11.9570, 0.4060, 0.2511



11.9570, 0.3949, 0.5160



11.9570, 0.1419, 0.2221

Complementary

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



11.9570, 0.4060, 0.2511



27.8956, 0.2713, 0.4315

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.



11.9570, 0.1577, 0.3048



11.9570, 0.4060, 0.2511



11.9570, 0.2991, 0.5163

Square

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



11.9570, 0.4060, 0.2511



11.9570, 0.4757, 0.4562



11.9570, 0.2119, 0.4255



11.9570, 0.1592, 0.1843

Rectangle

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



11.9570, 0.4060, 0.2511



11.9570, 0.5178, 0.3595



11.9570, 0.2119, 0.4255



11.9570, 0.1433, 0.2442

Sweetspot

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



11.9576, 0.4060, 0.2511



47.0303, 0.3317, 0.3048



8.9750, 0.2456, 0.1534



10.0617, 0.3349, 0.3012



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



11.9576, 0.4060, 0.2511



17.9610, 0.4381, 0.2429



11.1438, 0.5079, 0.3272



7.1428, 0.3210, 0.3177



6.5377, 0.4899, 0.2473



0.1469, 0.4143, 0.2056

Inverse Universe

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



11.9576, 0.4060, 0.2511



17.9610, 0.4381, 0.2429



29.3176, 0.2388, 0.3319



7.1428, 0.3210, 0.3177



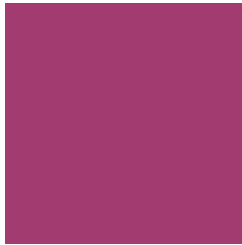
6.5377, 0.4899, 0.2473



0.1469, 0.4143, 0.2056

Previews

White Background



This preview shows how the Yxy color 11.9570, 0.4060, 0.2511 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 11.9570, 0.4060, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

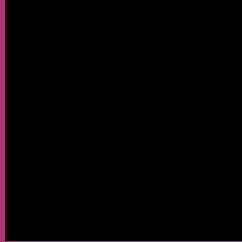
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9570, 0.4060, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 11.9570, 0.4060, 0.2511.



This preview shows how white text looks on a background with the Yxy color 11.9570, 0.4060, 0.2511.

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

11.9570, 0.4060, 0.2511

Protanopia

12.1503, 0.2505, 0.2428

Deuteranopia

12.1681, 0.3108, 0.3050



Tritanopia

11.9862, 0.4717, 0.3218

Trichromacy



Original Color

11.9570, 0.4060, 0.2511

Protanomaly

11.3224, 0.2956, 0.2403

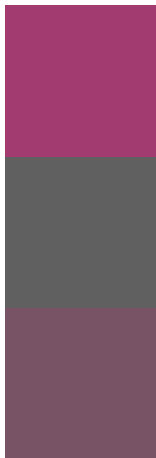
Deuteranomaly

11.4773, 0.3433, 0.2778

Tritanomaly

11.9423, 0.4480, 0.2955

Monochromacy



Original Color

11.9570, 0.4060, 0.2511

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.1192, 0.3464, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9570, 0.4060, 0.2511 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(162, 59, 111)` looks like.

```
.text, #text, p{  
    color:rgb(162, 59, 111)  
}
```

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(162, 59, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 59, 111) }
```

Border

The CSS property to change the border of an element to Yxy 11.9570, 0.4060, 0.2511 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(162, 59, 111) }
```

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

```
.border{ border-color:rgb(162, 59, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 59, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 59, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 59, 111);  
box-shadow:4px 4px 4px 4px rgb(162, 59,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9570, 0.4060, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 59, 111) }
```

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

```
.background{ background-color: rgb(162, 59,  
111) }
```

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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