

Converting Colors

$Y_{xy}(13.1584, 0.3762, 0.2554)$

Have a look what the booklet for
Yxy(13.1584, 0.3762, 0.2554)
contains.

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Color

Yxy(13.1649, 0.3767, 0.2553)

Conversions

Conversions Part 1

Format	Color
Hex	9C4977
RGB	156, 73, 119
RGB Percent	61%, 29%, 47%
CMY	0.3882, 0.7138, 0.5333
CMYK	0.00, 0.53, 0.24, 0.39
HSL	327°, 36%, 45%
HSV	327°, 53%, 61%
XYZ	19.4251, 13.1649, 18.9764
YIQ	103.0610, 34.7020, 31.9020

Conversions

Conversions Part 2

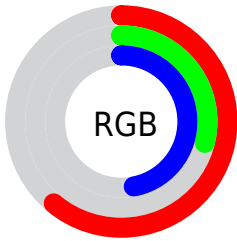
Format	Color
R_{YB}	156, 73, 119
Decimal	10242423
CIE _{Lab}	43.01, 40.16, -9.97
CIE _{LCh}	43, 41.381, 346.054
Yxy	13.1649, 0.3767, 0.2553
Android (android.graphics.Color)	4288432503 (0xFF9C4977)
YUV	103.0610, 7.8579, 46.4275
Hunter-Lab	36.2835, 32.0674, -5.6105

Details

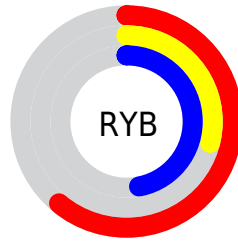
The Yxy color **13.1649, 0.3767, 0.2553** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **26.3221, 0.2784, 0.4199**, and the grayscale version is **13.5526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7536, 0.3622, 0.2730**, and **3.8160, 0.4041, 0.2240** is the 20% darker color. If you saturate the color by 10%, you get **11.2055, 0.3950, 0.2442**, and if you desaturate by 10%, it is **15.6520, 0.3604, 0.2684**.

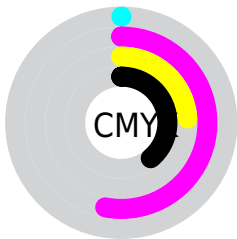
Distribution



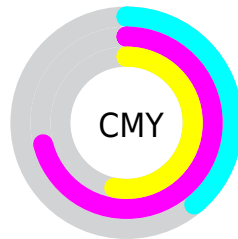
- Red (61%)
- Green (29%)
- Blue (47%)



- Red (61%)
- Yellow (29%)
- Blue (47%)



- Cyan (0%)
- Magenta (53%)
- Yellow (24%)
- Black (39%)





- Cyan (39%)
- Magenta (71%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1649, 0.3767, 0.2553 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 13.1649, 0.3767, 0.2553 by changing the saturation by 10% instead.


 13.1649, 0.3767,
0.2553


 13.1649, 0.3767,
0.2553


211.9718, 0.3393,
0.2976


 7.5422, 0.3885,
0.2425


 31.5997, 0.3615,
0.2722

 3.8034, 0.4056,
0.2244

 45.1806, 0.3563,
0.2780

 1.5642, 0.4323,
0.1972

 62.1830, 0.3521,
0.2828

 0.3333, 0.4978,
0.1199

 82.9914, 0.3486,
0.2868

 0.0000, 1.0000,
0.0000

 107.9900, 0.3457,
0.2901

 0.0000, 0.0000,
0.0000

137.5634, 0.3432,

0.2929

172.0958, 0.3411,
0.2954

■ 13.1649, 0.3767,
0.2553

■ 13.1649, 0.3767,
0.2553

■ 11.2055, 0.3950,
0.2442

■ 15.6520, 0.3604,
0.2684

■ 9.7325, 0.4148,
0.2362

■ 18.7003, 0.3462,
0.2826

■ 8.7012, 0.4356,
0.2325

■ 22.3427, 0.3341,
0.2970

■ 8.0580, 0.4564,
0.2339

■ 26.6091, 0.3238,
0.3112

■ 7.7489, 0.4705,
0.2366

■ 31.5273, 0.3152,
0.3248

■ 37.1235, 0.3080,
0.3376

■ 43.4222, 0.3020,
0.3495

■ 50.4471, 0.2970,
0.3605

■ 58.2204, 0.2929,
0.3707

Harmonies

Analogous

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



13.1649, 0.2868, 0.2164



13.1649, 0.3767, 0.2553



13.1649, 0.4549, 0.3095

Triad

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



13.1649, 0.3767, 0.2553



13.1649, 0.3992, 0.4822



13.1649, 0.1652, 0.2490

Complementary

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



13.1649, 0.3767, 0.2553



26.3221, 0.2784, 0.4199

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.



13.1649, 0.1859, 0.3258



13.1649, 0.3767, 0.2553



13.1649, 0.3180, 0.4862

Square

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



13.1649, 0.3767, 0.2553



13.1649, 0.4622, 0.4332



13.1649, 0.2398, 0.4225



13.1649, 0.1757, 0.2085

Rectangle

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



13.1649, 0.3767, 0.2553



13.1649, 0.4821, 0.3501



13.1649, 0.2398, 0.4225



13.1649, 0.1685, 0.2706

Sweetspot

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



13.1655, 0.3767, 0.2553



45.7934, 0.3268, 0.3069



10.4140, 0.2541, 0.1802



9.7501, 0.3287, 0.3042



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



13.1655, 0.3767, 0.2553



19.7304, 0.3989, 0.2423



12.3908, 0.4524, 0.3205



6.7046, 0.3202, 0.3167



6.3888, 0.4692, 0.2358



0.1227, 0.3973, 0.1962

Inverse Universe

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



13.1655, 0.3767, 0.2553



19.7304, 0.3989, 0.2423



27.4141, 0.2495, 0.3390



6.7046, 0.3202, 0.3167



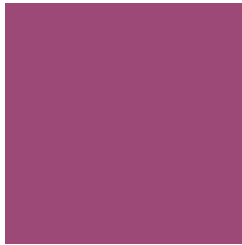
6.3888, 0.4692, 0.2358



0.1227, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 13.1649, 0.3767, 0.2553 looks on a white background.

Color Contrast Check

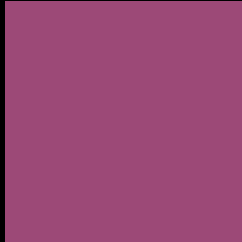
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1649, 0.3767, 0.2553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

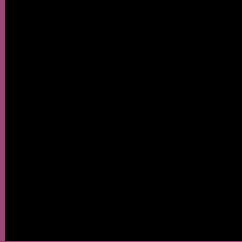
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1649, 0.3767, 0.2553

Background



This preview shows how black text looks on a background with the Yxy color 13.1649, 0.3767, 0.2553.



This preview shows how white text looks on a background with the Yxy color 13.1649, 0.3767, 0.2553.

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

13.1649, 0.3767, 0.2553

Protanopia

13.3665, 0.2566, 0.2530

Deuteranopia

13.2257, 0.3014, 0.2953



Tritanopia

13.1815, 0.4284, 0.3193

Trichromacy



Original Color

13.1649, 0.3767, 0.2553

Protanomaly

12.7657, 0.2933, 0.2512

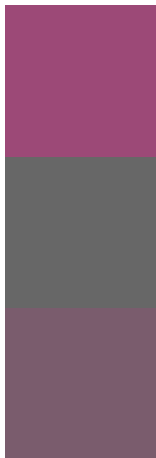
Deuteranomaly

12.8584, 0.3274, 0.2784

Tritanomaly

13.0596, 0.4099, 0.2944

Monochromacy



Original Color

13.1649, 0.3767, 0.2553

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.8960, 0.3344, 0.2951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1649, 0.3767, 0.2553 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(156, 73, 119)` looks like.

```
.text, #text, p{  
    color:rgb(156, 73, 119)  
}
```

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(156, 73, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 73, 119) }
```

Border

The CSS property to change the border of an element to Yxy 13.1649, 0.3767, 0.2553 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(156, 73, 119) }
```

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

```
.border{ border-color:rgb(156, 73, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 73, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 73, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 73, 119); box-shadow:4px 4px 4px 4px rgb(156, 73, 119) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1649, 0.3767, 0.2553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 73, 119) }
```

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

```
.background{ background-color: rgb(156, 73,  
119) }
```

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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