

Converting Colors

$Y_{xy}(12.3622, 0.4064, 0.2577)$

Have a look what the booklet for
Yxy(12.3622, 0.4064, 0.2577)
contains.

Yxy(12.3622, 0.4064, 0.2577)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3622, 0.4064, 0.2577)

Conversions

Conversions Part 1

Format	Color
Hex	A23F6E
RGB	162, 63, 110
RGB Percent	64%, 25%, 43%
CMY	0.3646, 0.7530, 0.5686
CMYK	0.00, 0.61, 0.32, 0.36
HSL	332°, 44%, 44%
HSV	332°, 61%, 64%
XYZ	19.4955, 12.3622, 16.1136
YIQ	97.9590, 43.9170, 35.6050

Conversions

Conversions Part 2

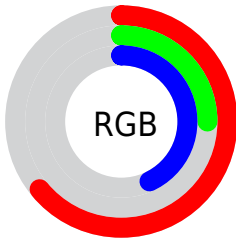
Format	Color
R_{YB}	162, 63, 110
Decimal	10633070
CIE _{Lab}	41.79, 45.80, -6.16
CIE _{LCh}	42, 46.208, 352.342
Yxy	12.3622, 0.4064, 0.2577
Android (android.graphics.Color)	4288823150 (0xFFA23F6E)
YUV	97.9590, 5.9362, 56.1640
Hunter-Lab	35.1599, 37.4451, -2.5603

Details

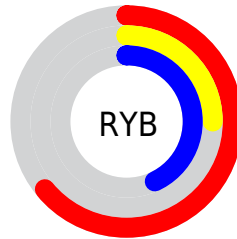
The Yxy color **12.3622, 0.4064, 0.2577** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **28.1412, 0.2700, 0.4206**, and the grayscale version is **12.1795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3151, 0.3830, 0.2746**, and **3.4847, 0.4504, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **10.6486, 0.4306, 0.2507**, and if you desaturate by 10%, it is **14.6228, 0.3845, 0.2676**.

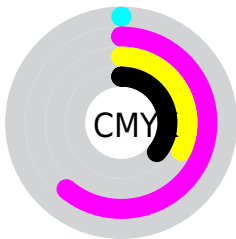
Distribution



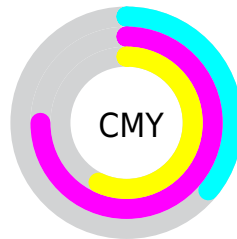
- Red (64%)
- Green (25%)
- Blue (43%)



- Red (64%)
- Yellow (25%)
- Blue (43%)



- Cyan (0%)
- Magenta (61%)
- Yellow (32%)
- Black (36%)





- Cyan (36%)
- Magenta (75%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3622, 0.4064, 0.2577 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 12.3622, 0.4064, 0.2577 by changing the saturation by 10% instead.


 12.3622, 0.4064,
0.2577


 12.3622, 0.4064,
0.2577


206.7886, 0.3504,
0.2994


 6.9909, 0.4247,
0.2446


 30.1531, 0.3833,
0.2746

 3.4564, 0.4516,
0.2259

 43.3414, 0.3755,
0.2804


 1.3744, 0.4947,
0.1970

 59.9042, 0.3692,
0.2851

 0.1977, 0.6234,
0.0883

 80.2258, 0.3641,
0.2889

 0.0000, 1.0000,
0.0000

 104.6907, 0.3598,
0.2922

 0.0000, 0.0000,
0.0000

133.6832, 0.3562,

0.2949

167.5877, 0.3531,
0.2973

■ 12.3622, 0.4064,
0.2577

■ 12.3622, 0.4064,
0.2577

■ 10.6486, 0.4306,
0.2507

■ 14.6228, 0.3845,
0.2676

■ 9.4318, 0.4562,
0.2479

■ 17.4712, 0.3653,
0.2791

■ 8.6555, 0.4820,
0.2500

■ 20.9462, 0.3488,
0.2915

■ 8.2182, 0.5044,
0.2552

■ 25.0829, 0.3349,
0.3040

■ 29.9136, 0.3233,
0.3162

■ 35.4688, 0.3137,
0.3277

■ 41.7768, 0.3057,
0.3386

■ 48.8646, 0.2991,
0.3486

■ 56.7578, 0.2937,
0.3578

Harmonies

Analogous

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



12.3622, 0.3028, 0.2112



12.3622, 0.4064, 0.2577



12.3622, 0.4872, 0.3188

Triad

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



12.3622, 0.4064, 0.2577



12.3622, 0.3882, 0.5087



12.3622, 0.1491, 0.2250

Complementary

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



12.3622, 0.4064, 0.2577



28.1412, 0.2700, 0.4206

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.



12.3622, 0.1631, 0.3019



12.3622, 0.4064, 0.2577



12.3622, 0.2964, 0.5023

Square

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



12.3622, 0.4064, 0.2577



12.3622, 0.4660, 0.4557



12.3622, 0.2139, 0.4139



12.3622, 0.1674, 0.1898

Rectangle

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



12.3622, 0.4064, 0.2577



12.3622, 0.5079, 0.3634



12.3622, 0.2139, 0.4139



12.3622, 0.1500, 0.2456

Sweetspot

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



12.3628, 0.4064, 0.2577



47.8347, 0.3315, 0.3074



9.7504, 0.2531, 0.1618



10.2224, 0.3349, 0.3040



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.



12.3628, 0.4064, 0.2577



18.5112, 0.4388, 0.2493



11.7811, 0.4978, 0.3319



7.1393, 0.3214, 0.3184



6.4815, 0.5024, 0.2541



0.1457, 0.4218, 0.2097

Inverse Universe

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



12.3628, 0.4064, 0.2577



18.5112, 0.4388, 0.2493



28.9350, 0.2388, 0.3258



7.1393, 0.3214, 0.3184



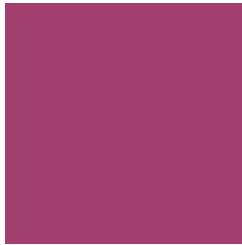
6.4815, 0.5024, 0.2541



0.1457, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 12.3622, 0.4064, 0.2577 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 12.3622, 0.4064, 0.2577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

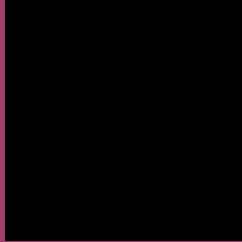
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3622, 0.4064, 0.2577

Background



This preview shows how black text looks on a background with the Yxy color 12.3622, 0.4064, 0.2577.



This preview shows how white text looks on a background with the Yxy color 12.3622, 0.4064, 0.2577.

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

12.3622, 0.4064, 0.2577

Protanopia

12.5527, 0.2585, 0.2550

Deuteranopia

12.4498, 0.3151, 0.3095



Tritanopia

12.3854, 0.4651, 0.3233

Trichromacy



Original Color

12.3622, 0.4064, 0.2577

Protanomaly

11.6907, 0.3027, 0.2500

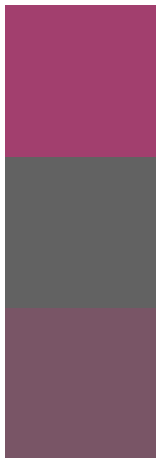
Deuteranomaly

11.8378, 0.3460, 0.2839

Tritanomaly

12.3124, 0.4439, 0.2983

Monochromacy



Original Color

12.3622, 0.4064, 0.2577

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.5213, 0.3458, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3622, 0.4064, 0.2577 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, 63, 110)` looks like.

```
.text, #text, p{  
    color:rgb(162, 63, 110)  
}
```

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, 63, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 63, 110) }
```

Border

The CSS property to change the border of an element to Yxy 12.3622, 0.4064, 0.2577 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, 63, 110) }
```

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

```
.border{ border-color:rgb(162, 63, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 63, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 63, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 63, 110);  
box-shadow:4px 4px 4px 4px rgb(162, 63,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3622, 0.4064, 0.2577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 63, 110) }
```

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

```
.background{ background-color: rgb(162, 63,  
110) }
```

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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