

Converting Colors

$Y_{xy}(12.3561, 0.4012, 0.2244)$

Have a look what the booklet for
Yxy(12.3561, 0.4012, 0.2244)
contains.

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Color

Yxy(12.3561, 0.4012, 0.2244)

Conversions

Conversions Part 1

Format	Color
Hex	AE2D7D
RGB	174, 45, 125
RGB Percent	68%, 18%, 49%
CMY	0.3177, 0.8234, 0.5099
CMYK	0.00, 0.74, 0.28, 0.32
HSL	323°, 59%, 43%
HSV	323°, 74%, 68%
XYZ	22.0912, 12.3561, 20.6155
YIQ	92.6910, 51.2040, 52.2280

Conversions

Conversions Part 2

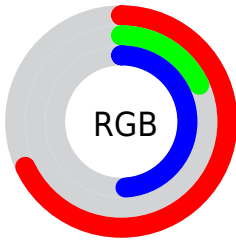
Format	Color
RYB	174, 45, 125
Decimal	11414909
CIELab	41.78, 58.38, -15.23
CIELCh	42, 60.335, 345.380
Yxy	12.3561, 0.4012, 0.2244
Android (android.graphics.Color)	4289604989 (0xFFAE2D7D)
YUV	92.6910, 15.9283, 71.3080
Hunter-Lab	35.1512, 50.6657, -10.1666

Details

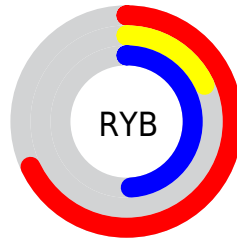
The Yxy color **12.3561, 0.4012, 0.2244** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **31.6324, 0.2780, 0.4821**, and the grayscale version is **10.8283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2385, 0.3803, 0.2474**, and **4.3037, 0.4287, 0.2135** is the 20% darker color. If you saturate the color by 10%, you get **11.1270, 0.4183, 0.2201**, and if you desaturate by 10%, it is **14.1448, 0.3847, 0.2332**.

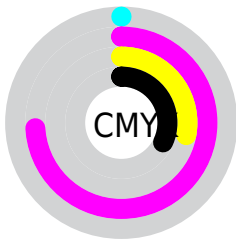
Distribution



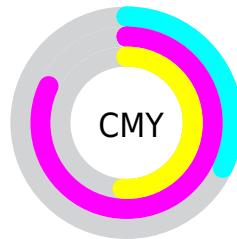
- Red (68%)
- Green (18%)
- Blue (49%)



- Red (68%)
- Yellow (18%)
- Blue (49%)



- Cyan (0%)
- Magenta (74%)
- Yellow (28%)
- Black (32%)





- Cyan (32%)
- Magenta (82%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3561, 0.4012, 0.2244 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 12.3561, 0.4012, 0.2244 by changing the saturation by 10% instead.

 12.3561, 0.4012,
0.2244


 12.3561, 0.4012,
0.2244


206.7487, 0.3500,
0.2831

 6.9867, 0.4169,
0.2074


 30.1420, 0.3806,
0.2474


 3.4538, 0.4390,
0.1842


 43.3273, 0.3735,
0.2555


 1.3730, 0.4725,
0.1510

 59.8867, 0.3678,
0.2622

 0.1967, 0.5532,
0.0582

 80.2046, 0.3630,
0.2678

 0.0000, 0.8840,
0.0000

 104.6653, 0.3590,
0.2725

 0.0000, 0.0000,
0.0000

 133.6533, 0.3556,

0.2765

167.5530, 0.3526,
0.2800

■ 12.3561, 0.4012,
0.2244

■ 12.3561, 0.4012,
0.2244

■ 11.1270, 0.4183,
0.2201

■ 14.1448, 0.3847,
0.2332

■ 10.3833, 0.4352,
0.2207

■ 16.5514, 0.3692,
0.2453

■ 10.0761, 0.4452,
0.2226

■ 19.6287, 0.3553,
0.2598

■ 23.4236, 0.3430,
0.2755

■ 27.9785, 0.3323,
0.2916

■ 33.3326, 0.3232,
0.3076

■ 39.5224, 0.3155,
0.3229

■ 46.5821, 0.3091,
0.3375

■ 54.5440, 0.3037,
0.3510

Harmonies

Analogous

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



12.3561, 0.2694, 0.1759



12.3561, 0.4012, 0.2244



12.3561, 0.5205, 0.2917

Triad

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



12.3561, 0.4012, 0.2244



12.3561, 0.4193, 0.5385



12.3561, 0.1147, 0.2112

Complementary

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



12.3561, 0.4012, 0.2244



31.6324, 0.2780, 0.4821

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.



12.3561, 0.1367, 0.3195



12.3561, 0.4012, 0.2244



12.3561, 0.3087, 0.5730

Square

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



12.3561, 0.4012, 0.2244



12.3561, 0.5132, 0.4519



12.3561, 0.2042, 0.4788



12.3561, 0.1283, 0.1631

Rectangle

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



12.3561, 0.4012, 0.2244



12.3561, 0.5570, 0.3413



12.3561, 0.2042, 0.4788



12.3561, 0.1177, 0.2396

Sweetspot

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



12.3568, 0.4012, 0.2244



52.3282, 0.3306, 0.2944



7.2273, 0.2135, 0.1185



11.0991, 0.3332, 0.2901



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.



12.3568, 0.4012, 0.2244



19.2245, 0.4293, 0.2199



11.2270, 0.5317, 0.3098



8.0957, 0.3193, 0.3150



7.3220, 0.4435, 0.2217



0.2139, 0.3976, 0.1964

Inverse Universe

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



12.3568, 0.4012, 0.2244



19.2245, 0.4293, 0.2199



33.2505, 0.2407, 0.3591



8.0957, 0.3193, 0.3150



7.3220, 0.4435, 0.2217



0.2139, 0.3976, 0.1964

Previews

White Background



This preview shows how the Yxy color 12.3561, 0.4012, 0.2244 looks on a white background.

Color Contrast Check

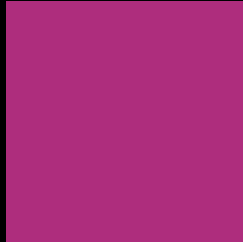
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3561, 0.4012, 0.2244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

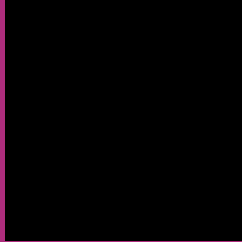
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3561, 0.4012, 0.2244

Background



This preview shows how black text looks on a background with the Yxy color 12.3561, 0.4012, 0.2244.



This preview shows how white text looks on a background with the Yxy color 12.3561, 0.4012, 0.2244.

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

12.3561, 0.4012, 0.2244

Protanopia

12.6462, 0.2171, 0.2001

Deuteranopia

12.5667, 0.2892, 0.2839



Tritanopia

12.3834, 0.5027, 0.3255

Trichromacy



Original Color

12.3561, 0.4012, 0.2244

Protanomaly

10.9658, 0.2626, 0.1964

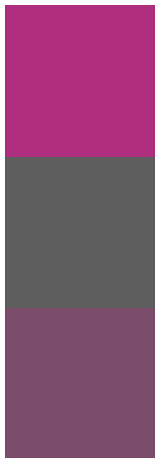
Deuteranomaly

11.3413, 0.3262, 0.2478

Tritanomaly

12.1744, 0.4698, 0.2870

Monochromacy



Original Color

12.3561, 0.4012, 0.2244

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.3264, 0.3450, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3561, 0.4012, 0.2244 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, 45, 125)` looks like.

```
.text, #text, p{  
    color:rgb(174, 45, 125)  
}
```

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, 45, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 45, 125) }
```

Border

The CSS property to change the border of an element to Yxy 12.3561, 0.4012, 0.2244 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, 45, 125) }
```

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

```
.border{ border-color:rgb(174, 45, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 45, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 45, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 45, 125);  
box-shadow:4px 4px 4px 4px rgb(174, 45,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3561, 0.4012, 0.2244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 45, 125) }
```

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

```
.background{ background-color: rgb(174, 45,  
125) }
```

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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