

Converting Colors

$Y_{xy}(12.3698, 0.4417, 0.2207)$

Have a look what the booklet for
Yxy(12.3698, 0.4417, 0.2207)
contains.

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Color

Yxy(12.3032, 0.4415, 0.2206)

Conversions

Conversions Part 1

Format	Color
Hex	BE0078
RGB	190, 0, 120
RGB Percent	75%, 0%, 47%
CMY	0.2549, 0.9996, 0.5294
CMYK	0.00, 1.00, 0.37, 0.25
HSL	322°, 100%, 37%
HSV	322°, 100%, 75%
XYZ	24.6231, 12.3032, 18.8452
YIQ	70.4900, 74.7200, 77.6000

Conversions

Conversions Part 2

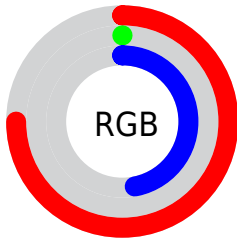
Format	Color
R_{YB}	190, 0, 120
Decimal	12451960
CIE _{Lab}	41.69, 70.06, -11.99
CIE _{LCh}	42, 71.078, 350.292
Yxy	12.3032, 0.4415, 0.2206
Android (android.graphics.Color)	4290642040 (0xFFBE0078)
YUV	70.4900, 24.4084, 104.8103
Hunter-Lab	35.0759, 63.9233, -7.3015

Details

The Yxy color **12.3032, 0.4415, 0.2206** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.2661, 0.2839, 0.5420**, and the grayscale version is **6.1695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9848, 0.4117, 0.2445**, and **5.2932, 0.4696, 0.2361** is the 20% darker color. If you saturate the color by 10%, you get **12.3008, 0.4416, 0.2206**, and if you desaturate by 10%, it is **12.9472, 0.4252, 0.2176**.

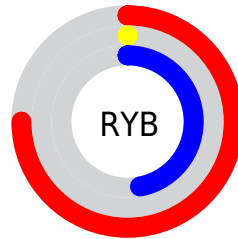
Distribution



Red (75%)

Green (0%)

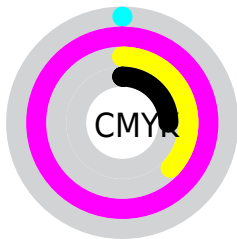
Blue (47%)



Red (75%)

Yellow (0%)

Blue (47%)

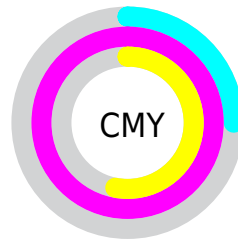


Cyan (0%)

Magenta (100%)

Yellow (37%)

Black (25%)



Cyan (25%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3032, 0.4415, 0.2206 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 12.3032, 0.4415, 0.2206 by changing the saturation by 10% instead.


 12.3032, 0.4415,
0.2206


 12.3032, 0.4415,
0.2206


206.4023, 0.3662,
0.2817


 6.9505, 0.4648,
0.2029


 30.0461, 0.4110,
0.2446


 3.4312, 0.4980,
0.1787

 43.2052, 0.4006,
0.2530

 1.3608, 0.5481,
0.1443

 59.7351, 0.3921,
0.2600

 0.1875, 0.6592,
0.0519

 80.0204, 0.3851,
0.2658

 0.0000, 1.0000,
0.0000

 104.4453, 0.3792,
0.2707

 0.0000, 0.0000,
0.0000

 133.3944, 0.3743,

0.2749

167.2519, 0.3700,
0.2785

■ 12.3032, 0.4415,
0.2206

■ 12.3032, 0.4415,
0.2206

■ 12.3008, 0.4416,
0.2206

■ 12.9472, 0.4252,
0.2176

■ 14.0596, 0.4087,
0.2191

■ 15.8049, 0.3923,
0.2254

■ 18.2663, 0.3766,
0.2359

■ 21.5143, 0.3622,
0.2493

■ 25.6108, 0.3492,
0.2647

■ 30.6115, 0.3378,
0.2810

■ 36.5675, 0.3280,
0.2975

■ 43.5258, 0.3197,
0.3137

Harmonies

Analogous

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



12.3032, 0.2833, 0.1642



12.3032, 0.4415, 0.2206



12.3032, 0.5698, 0.2940

Triad

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



12.3032, 0.4415, 0.2206



12.3032, 0.4029, 0.5799



12.3032, 0.0932, 0.1795

Complementary

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



12.3032, 0.4415, 0.2206



37.2661, 0.2839, 0.5420

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.



12.3032, 0.1068, 0.2867



12.3032, 0.4415, 0.2206



12.3032, 0.2775, 0.6150

Square

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



12.3032, 0.4415, 0.2206



12.3032, 0.5200, 0.4751



12.3032, 0.1683, 0.4778



12.3032, 0.1137, 0.1387

Rectangle

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



12.3032, 0.4415, 0.2206



12.3032, 0.5949, 0.3464



12.3032, 0.1683, 0.4778



12.3032, 0.0936, 0.2059

Sweetspot

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



12.3039, 0.4415, 0.2206



54.9479, 0.3384, 0.2802



5.0114, 0.1792, 0.0761



11.1794, 0.3431, 0.2731



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.3039, 0.4415, 0.2206



22.2442, 0.4440, 0.2220



11.0199, 0.6229, 0.3206



9.6350, 0.3192, 0.3146



8.1960, 0.4396, 0.2195



0.3333, 0.4042, 0.2000

Inverse Universe

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



12.3039, 0.4415, 0.2206



22.2442, 0.4440, 0.2220



39.5274, 0.2365, 0.3713



9.6350, 0.3192, 0.3146



8.1960, 0.4396, 0.2195



0.3333, 0.4042, 0.2000

Previews

White Background



This preview shows how the Yxy color 12.3032, 0.4415, 0.2206 looks on a white background.

Color Contrast Check

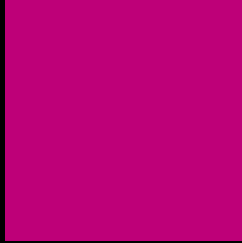
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3032, 0.4415, 0.2206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

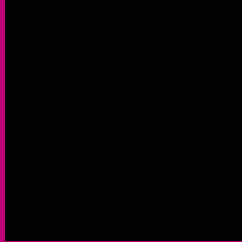
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3032, 0.4415, 0.2206

Background



This preview shows how black text looks on a background with the Yxy color 12.3032, 0.4415, 0.2206.



This preview shows how white text looks on a background with the Yxy color 12.3032, 0.4415, 0.2206.

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

12.3032, 0.4415, 0.2206

Protanopia

13.1674, 0.2101, 0.1927

Deuteranopia

12.9694, 0.3054, 0.2992



Tritanopia

12.6939, 0.5635, 0.3278

Trichromacy



Original Color

12.3032, 0.4415, 0.2206



Protanomaly

9.3656, 0.2612, 0.1706



Deuteranomaly

10.0014, 0.3562, 0.2354



Tritanomaly

12.0013, 0.5288, 0.2855

Monochromacy



Original Color

12.3032, 0.4415, 0.2206



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.1754, 0.3725, 0.2376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3032, 0.4415, 0.2206 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(190, 0, 120)` looks like.

```
.text, #text, p{  
  color:rgb(190, 0, 120)  
}
```

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(190, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 120) }
```

Border

The CSS property to change the border of an element to Yxy 12.3032, 0.4415, 0.2206 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(190, 0, 120) }
```

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

```
.border{ border-color:rgb(190, 0, 120) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3032, 0.4415, 0.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 120) }
```

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

```
.background{ background-color: rgb(190, 0,  
120) }
```

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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