

Converting Colors

$Y_{xy}(11.2491, 0.4028, 0.2341)$

Have a look what the booklet for
Yxy(11.2491, 0.4028, 0.2341)
contains.

Yxy(11.2210, 0.4030, 0.2343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.2210, 0.4030, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	A33173
RGB	163, 49, 115
RGB Percent	64%, 19%, 45%
CMY	0.3607, 0.8079, 0.5490
CMYK	0.00, 0.70, 0.29, 0.36
HSL	325°, 54%, 42%
HSV	325°, 70%, 64%
XYZ	19.3003, 11.2210, 17.3703
YIQ	90.6100, 46.7580, 44.6940

Conversions

Conversions Part 2

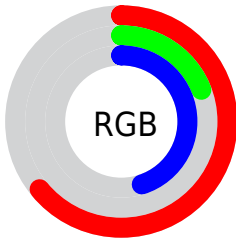
Format	Color
R_{YB}	163, 49, 115
Decimal	10695027
CIE _{Lab}	39.95, 52.72, -12.00
CIE _{LCh}	40, 54.071, 347.172
Yxy	11.2210, 0.4030, 0.2343
Android (android.graphics.Color)	4288885107 (0xFFA33173)
YUV	90.6100, 12.0243, 63.4860
Hunter-Lab	33.4978, 44.2248, -7.2964

Details

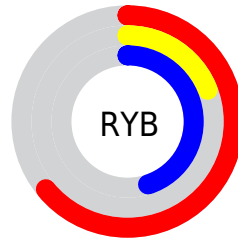
The Yxy color **11.2210, 0.4030, 0.2343** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **27.7167, 0.2753, 0.4617**, and the grayscale version is **10.3319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0628, 0.3809, 0.2561**, and **3.5310, 0.4361, 0.2176** is the 20% darker color. If you saturate the color by 10%, you get **9.9443, 0.4222, 0.2287**, and if you desaturate by 10%, it is **13.0037, 0.3848, 0.2439**.

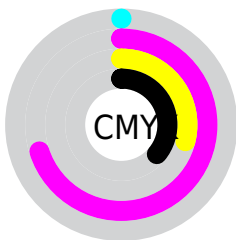
Distribution



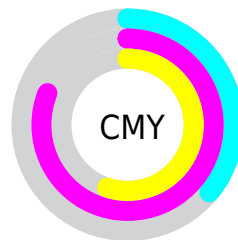
- Red (64%)
- Green (19%)
- Blue (45%)



- Red (64%)
- Yellow (19%)
- Blue (45%)



- Cyan (0%)
- Magenta (70%)
- Yellow (29%)
- Black (36%)





- Cyan (36%)
- Magenta (81%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2210, 0.4030, 0.2343 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 11.2210, 0.4030, 0.2343 by changing the saturation by 10% instead.


 11.2210, 0.4030,
0.2343


 11.2210, 0.4030,
0.2343


199.1775, 0.3495,
0.2888


 6.2157, 0.4202,
0.2178


 28.0681, 0.3810,
0.2561


 2.9767, 0.4452,
0.1946

 40.6787, 0.3736,
0.2637


 1.1196, 0.4845,
0.1600

 56.5932, 0.3676,
0.2699

 0.0000, 0.6206,
0.0000

 76.1959, 0.3627,
0.2750

 0.0000, 1.0000,
0.0000

 99.8713, 0.3586,
0.2792

 0.0000, 0.0000,
0.0000

 128.0038, 0.3551,

0.2829

160.9777, 0.3521,
0.2861

■ 11.2210, 0.4030,
0.2343

■ 11.2210, 0.4030,
0.2343

■ 9.9443, 0.4222,
0.2287

■ 13.0037, 0.3848,
0.2439

■ 9.1155, 0.4417,
0.2279

■ 15.3387, 0.3682,
0.2563

■ 8.6059, 0.4610,
0.2313

■ 18.2689, 0.3535,
0.2704

■ 8.6036, 0.4611,
0.2314

■ 21.8327, 0.3407,
0.2854

■ 26.0650, 0.3297,
0.3004

■ 30.9983, 0.3204,
0.3151

■ 36.6628, 0.3127,
0.3291

■ 43.0870, 0.3062,
0.3422

■ 50.2981, 0.3008,
0.3544

Harmonies

Analogous

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



11.2210, 0.2795, 0.1863



11.2210, 0.4030, 0.2343



11.2210, 0.5103, 0.2999

Triad

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



11.2210, 0.4030, 0.2343



11.2210, 0.4110, 0.5311



11.2210, 0.1248, 0.2156

Complementary

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



11.2210, 0.4030, 0.2343



27.7167, 0.2753, 0.4617

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.



11.2210, 0.1448, 0.3140



11.2210, 0.4030, 0.2343



11.2210, 0.3059, 0.5517

Square

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



11.2210, 0.4030, 0.2343



11.2210, 0.4996, 0.4543



11.2210, 0.2076, 0.4578



11.2210, 0.1396, 0.1711

Rectangle

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



11.2210, 0.4030, 0.2343



11.2210, 0.5420, 0.3483



11.2210, 0.2076, 0.4578



11.2210, 0.1272, 0.2416

Sweetspot

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



11.2216, 0.4030, 0.2343



45.5046, 0.3312, 0.2983



7.3539, 0.2274, 0.1328



9.7584, 0.3339, 0.2943



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.



11.2216, 0.4030, 0.2343



16.8817, 0.4331, 0.2276



10.2941, 0.5236, 0.3174



7.1515, 0.3199, 0.3161



6.6941, 0.4594, 0.2305



0.1498, 0.3976, 0.1964

Inverse Universe

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



11.2216, 0.4030, 0.2343



16.8817, 0.4331, 0.2276



29.1707, 0.2392, 0.3462



7.1515, 0.3199, 0.3161



6.6941, 0.4594, 0.2305



0.1498, 0.3976, 0.1964

Previews

White Background



This preview shows how the Yxy color 11.2210, 0.4030, 0.2343 looks on a white background.

Color Contrast Check

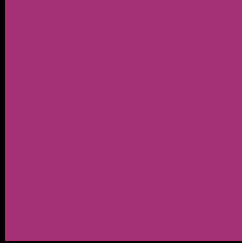
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.2210, 0.4030, 0.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

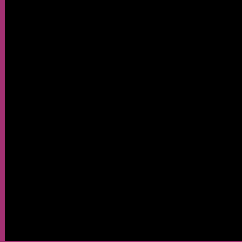
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2210, 0.4030, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 11.2210, 0.4030, 0.2343.



This preview shows how white text looks on a background with the Yxy color 11.2210, 0.4030, 0.2343.

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

11.2210, 0.4030, 0.2343

Protanopia

11.4718, 0.2303, 0.2172

Deuteranopia

11.5295, 0.2979, 0.2932



Tritanopia

11.2095, 0.4909, 0.3236

Trichromacy



Original Color

11.2210, 0.4030, 0.2343

Protanomaly

10.2452, 0.2772, 0.2150

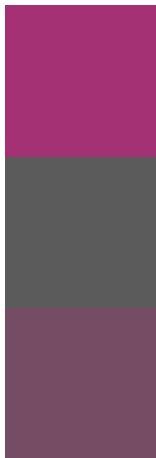
Deuteranomaly

10.5930, 0.3345, 0.2615

Tritanomaly

11.0399, 0.4598, 0.2891

Monochromacy



Original Color

11.2210, 0.4030, 0.2343

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

9.8709, 0.3451, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2210, 0.4030, 0.2343 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(163, 49, 115)` looks like.

```
.text, #text, p{  
    color:rgb(163, 49, 115)  
}
```

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(163, 49, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 49, 115) }
```

Border

The CSS property to change the border of an element to Yxy 11.2210, 0.4030, 0.2343 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(163, 49, 115) }
```

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

```
.border{ border-color:rgb(163, 49, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 49, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 49, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 49, 115);  
box-shadow:4px 4px 4px 4px rgb(163, 49,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2210, 0.4030, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 49, 115) }
```

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

```
.background{ background-color: rgb(163, 49,  
115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor