

Converting Colors

$Y_{xy}(14.7312, 0.3713, 0.2321)$

Have a look what the booklet for
Yxy(14.7312, 0.3713, 0.2321)
contains.

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Color

Yxy(14.7110, 0.3712, 0.2314)

Conversions

Conversions Part 1

Format	Color
Hex	AC4489
RGB	172, 68, 137
RGB Percent	67%, 27%, 54%
CMY	0.3254, 0.7334, 0.4627
CMYK	0.00, 0.60, 0.20, 0.33
HSL	320°, 43%, 47%
HSV	320°, 60%, 67%
XYZ	23.5986, 14.7110, 25.2643
YIQ	106.9620, 39.8350, 43.5070

Conversions

Conversions Part 2

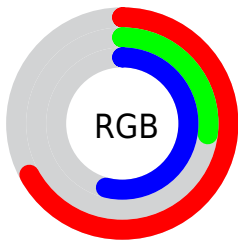
Format	Color
R_{YB}	172, 68, 137
Decimal	11289737
CIE _{Lab}	45.24, 50.31, -17.32
CIE _{LCh}	45, 53.208, 341.004
Yxy	14.7110, 0.3712, 0.2314
Android (android.graphics.Color)	4289479817 (0xFFAC4489)
YUV	106.9620, 14.8087, 57.0383
Hunter-Lab	38.3549, 42.7046, -12.2057

Details

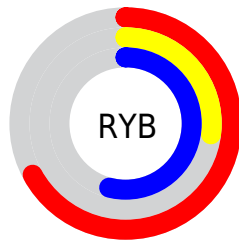
The Yxy color **14.7110, 0.3712, 0.2314** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **31.7193, 0.2829, 0.4582**, and the grayscale version is **14.6413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4598, 0.3591, 0.2531**, and **4.4662, 0.3923, 0.1956** is the 20% darker color. If you saturate the color by 10%, you get **12.7662, 0.3851, 0.2205**, and if you desaturate by 10%, it is **17.2765, 0.3582, 0.2454**.

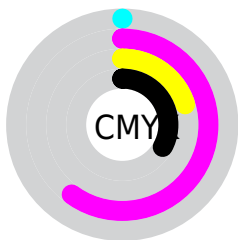
Distribution



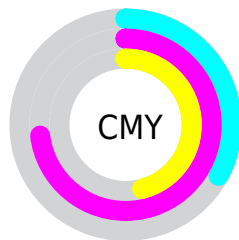
- Red (67%)
- Green (27%)
- Blue (54%)



- Red (67%)
- Yellow (27%)
- Blue (54%)



- Cyan (0%)
- Magenta (60%)
- Yellow (20%)
- Black (33%)





- Cyan (33%)
- Magenta (73%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7110, 0.3712, 0.2314 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 14.7110, 0.3712, 0.2314 by changing the saturation by 10% instead.


 14.7110, 0.3712,
0.2314

 14.7110, 0.3712,
0.2314


221.6103, 0.3386,
0.2850

 8.6168, 0.3806,
0.2163


 34.3454, 0.3585,
0.2521


 4.4921, 0.3935,
0.1960


 48.6544, 0.3539,
0.2595


 1.9525, 0.4122,
0.1673

 66.4704, 0.3502,
0.2656

 0.5796, 0.4442,
0.1187

 88.1779, 0.3471,
0.2708

 0.0000, 0.5331,
0.0000

 114.1612, 0.3445,
0.2751

 0.0000, 0.0000,
0.0000

144.8048, 0.3423,

0.2789

180.4930, 0.3403,
0.2822

■ 14.7110, 0.3712,
0.2314

■ 14.7110, 0.3712,
0.2314

■ 12.7662, 0.3851,
0.2205

■ 17.2765, 0.3582,
0.2454

■ 11.3846, 0.3997,
0.2136

■ 20.5092, 0.3465,
0.2613

■ 10.5019, 0.4142,
0.2114

■ 24.4536, 0.3362,
0.2782

■ 9.9902, 0.4279,
0.2131

■ 29.1496, 0.3272,
0.2953

■ 34.6343, 0.3195,
0.3121

■ 40.9422, 0.3130,
0.3283

■ 48.1059, 0.3075,
0.3434

■ 56.1562, 0.3029,
0.3576

■ 65.1221, 0.2991,
0.3707

Harmonies

Analogous

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



14.7110, 0.2631, 0.1907



14.7110, 0.3712, 0.2314



14.7110, 0.4753, 0.2909

Triad

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



14.7110, 0.3712, 0.2314



14.7110, 0.4256, 0.5037



14.7110, 0.1398, 0.2413

Complementary

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



14.7110, 0.3712, 0.2314



31.7193, 0.2829, 0.4582

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.



14.7110, 0.1677, 0.3419



14.7110, 0.3712, 0.2314



14.7110, 0.3303, 0.5319

Square

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



14.7110, 0.3712, 0.2314



14.7110, 0.4987, 0.4336



14.7110, 0.2355, 0.4673



14.7110, 0.1468, 0.1894

Rectangle

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



14.7110, 0.3712, 0.2314



14.7110, 0.5153, 0.3361



14.7110, 0.2355, 0.4673



14.7110, 0.1449, 0.2693

Sweetspot

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



14.7117, 0.3712, 0.2314



54.8890, 0.3254, 0.2990



9.9759, 0.2311, 0.1530



11.3554, 0.3277, 0.2942



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



14.7117, 0.3712, 0.2314



22.0796, 0.3907, 0.2173



13.5665, 0.4661, 0.3049



8.1016, 0.3187, 0.3141



7.4433, 0.4265, 0.2123



0.2167, 0.3874, 0.1908

Inverse Universe

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



14.7117, 0.3712, 0.2314



22.0796, 0.3907, 0.2173



33.0958, 0.2499, 0.3591



8.1016, 0.3187, 0.3141



7.4433, 0.4265, 0.2123



0.2167, 0.3874, 0.1908

Previews

White Background



This preview shows how the Yxy color 14.7110, 0.3712, 0.2314 looks on a white background.

Color Contrast Check

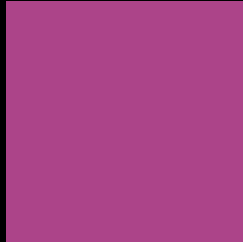
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7110, 0.3712, 0.2314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

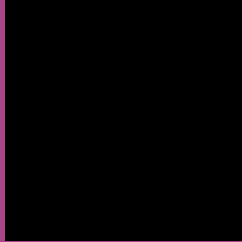
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7110, 0.3712, 0.2314

Background



This preview shows how black text looks on a background with the Yxy color 14.7110, 0.3712, 0.2314.



This preview shows how white text looks on a background with the Yxy color 14.7110, 0.3712, 0.2314.

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

14.7110, 0.3712, 0.2314

Protanopia

15.0397, 0.2299, 0.2178

Deuteranopia

14.8060, 0.2824, 0.2771



Tritanopia

14.6247, 0.4487, 0.3203

Trichromacy



Original Color

14.7110, 0.3712, 0.2314

Protanomaly

13.8028, 0.2683, 0.2168

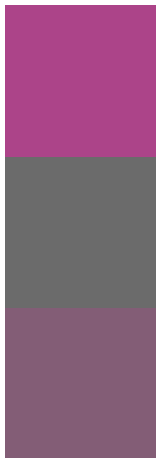
Deuteranomaly

14.0936, 0.3119, 0.2546

Tritanomaly

14.6238, 0.4201, 0.2858

Monochromacy



Original Color

14.7110, 0.3712, 0.2314

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

13.9620, 0.3344, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7110, 0.3712, 0.2314 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(172, 68, 137)` looks like.

```
.text, #text, p{  
    color:rgb(172, 68, 137)  
}
```

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(172, 68, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 68, 137) }
```

Border

The CSS property to change the border of an element to Yxy 14.7110, 0.3712, 0.2314 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(172, 68, 137) }
```

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

```
.border{ border-color:rgb(172, 68, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 68, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 68, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 68, 137);  
box-shadow:4px 4px 4px 4px rgb(172, 68,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7110, 0.3712, 0.2314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 68, 137) }
```

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

```
.background{ background-color: rgb(172, 68,  
137) }
```

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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