

Converting Colors

$Y_{xy}(14.4509, 0.3169, 0.1797)$

Have a look what the booklet for
Yxy(14.4509, 0.3169, 0.1797)
contains.

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Color

Yxy(14.4509, 0.3169, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	AA39AC
RGB	170, 57, 172
RGB Percent	67%, 22%, 67%
CMY	0.3334, 0.7764, 0.3254
CMYK	0.01, 0.67, 0.00, 0.33
HSL	299°, 50%, 45%
HSV	299°, 67%, 67%
XYZ	25.4841, 14.4509, 40.4818
YIQ	103.8970, 30.4330, 59.7210

Conversions

Conversions Part 2

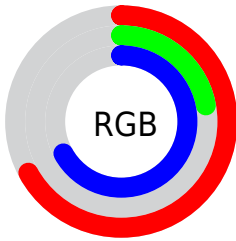
Format	Color
R_{YB}	170, 57, 172
Decimal	11155884
CIE _{Lab}	44.87, 60.03, -38.86
CIE _{LCh}	45, 71.511, 327.084
Yxy	14.4509, 0.3169, 0.1797
Android (android.graphics.Color)	4289345964 (0xFFAA39AC)
YUV	103.8970, 33.5748, 57.9723
Hunter-Lab	38.0143, 53.1379, -36.5284

Details

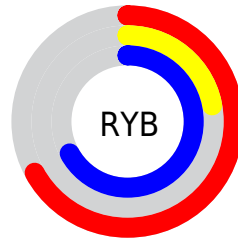
The Yxy color **14.4509, 0.3169, 0.1797** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.7372, 0.3039, 0.5399**, and the grayscale version is **13.7200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9057, 0.3184, 0.2080**, and **4.9093, 0.3108, 0.1486** is the 20% darker color. If you saturate the color by 10%, you get **12.9946, 0.3170, 0.1667**, and if you desaturate by 10%, it is **16.4847, 0.3166, 0.1966**.

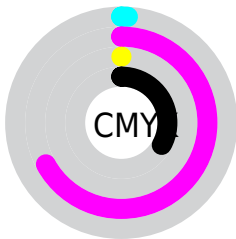
Distribution



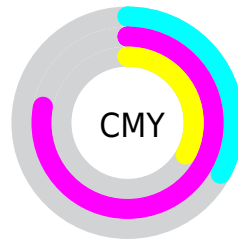
- Red (67%)
- Green (22%)
- Blue (67%)



- Red (67%)
- Yellow (22%)
- Blue (67%)



- Cyan (1%)
- Magenta (67%)
- Yellow (0%)
- Black (33%)




- Cyan (33%)
- Magenta (78%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4509, 0.3169, 0.1797 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 14.4509, 0.3169, 0.1797 by changing the saturation by 10% instead.


 14.4509, 0.3169,
0.1797


 14.4509, 0.3169,
0.1797


220.0181, 0.3183,
0.2569


 8.4349, 0.3150,
0.1604


 33.8870, 0.3185,
0.2080


 4.3745, 0.3114,
0.1359


 48.0759, 0.3187,
0.2186


 1.8852, 0.3044,
0.1048

 65.7579, 0.3188,
0.2275

 0.5394, 0.2912,
0.0612

 87.3173, 0.3188,
0.2352

 0.0000, 0.2631,
0.0000

 113.1387, 0.3187,
0.2417

 0.0000, 0.0000,
0.0000

143.6064, 0.3186,

0.2475

179.1047, 0.3184,
0.2525

■ 14.4509, 0.3169,
0.1797

■ 14.4509, 0.3169,
0.1797

■ 12.9946, 0.3170,
0.1667

■ 16.4847, 0.3166,
0.1966

■ 12.0528, 0.3169,
0.1579

■ 19.1466, 0.3162,
0.2167

■ 11.5388, 0.3166,
0.1530

■ 22.4836, 0.3156,
0.2393

■ 11.4104, 0.3165,
0.1517

■ 26.5380, 0.3149,
0.2634

■ 31.3484, 0.3141,
0.2881

■ 36.9510, 0.3133,
0.3126

■ 43.3792, 0.3125,
0.3364

■ 50.6648, 0.3116,
0.3589

■ 58.8378, 0.3108,
0.3800

Harmonies

Analogous

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



14.4509, 0.1966, 0.1457



14.4509, 0.3169, 0.1797



14.4509, 0.4701, 0.2402

Triad

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



14.4509, 0.3169, 0.1797



14.4509, 0.4905, 0.4952



14.4509, 0.1069, 0.2589

Complementary

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



14.4509, 0.3169, 0.1797



30.7372, 0.3039, 0.5399

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.



14.4509, 0.1562, 0.4263



14.4509, 0.3169, 0.1797



14.4509, 0.3746, 0.5865

Square

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



14.4509, 0.3169, 0.1797



14.4509, 0.5699, 0.3962



14.4509, 0.2553, 0.5855



14.4509, 0.1010, 0.1719

Rectangle

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



14.4509, 0.3169, 0.1797



14.4509, 0.5501, 0.2890



14.4509, 0.2553, 0.5855



14.4509, 0.1177, 0.3061

Sweetspot

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



14.4516, 0.3169, 0.1797



53.6369, 0.3144, 0.2794



7.1724, 0.1867, 0.1240



11.1408, 0.3146, 0.2727



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.



14.4516, 0.3169, 0.1797



22.6782, 0.3170, 0.1622



13.0175, 0.4077, 0.2438



8.1407, 0.3135, 0.3066



8.4926, 0.3166, 0.1518



0.2385, 0.3180, 0.1525

Inverse Universe

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



12.0175, 0.5245, 0.3271



17.9928, 0.5890, 0.3278



31.5212, 0.2724, 0.4450



8.0176, 0.3284, 0.3286



6.5326, 0.6377, 0.3286



0.1825, 0.6272, 0.3229

Previews

White Background



This preview shows how the Yxy color 14.4509, 0.3169, 0.1797 looks on a white background.

Color Contrast Check

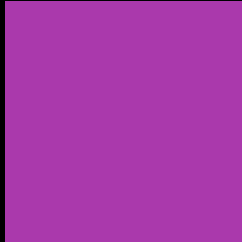
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4509, 0.3169, 0.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

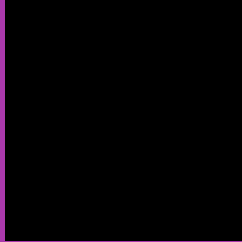
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.4509, 0.3169, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 14.4509, 0.3169, 0.1797.



This preview shows how white text looks on a background with the Yxy color 14.4509, 0.3169, 0.1797.

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

14.4509, 0.3169, 0.1797

Protanopia

14.8914, 0.1779, 0.1497

Deuteranopia

14.8154, 0.2250, 0.2208



Tritanopia

14.3814, 0.4312, 0.3197

Trichromacy



Original Color

14.4509, 0.3169, 0.1797



Protanomaly

12.4880, 0.1983, 0.1458



Deuteranomaly

13.3143, 0.2492, 0.1940



Tritanomaly

14.1220, 0.3885, 0.2602

Monochromacy



Original Color

14.4509, 0.3169, 0.1797



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

12.9906, 0.3149, 0.2514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4509, 0.3169, 0.1797 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(170, 57, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 57, 172)  
}
```

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(170, 57, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 57, 172) }
```

Border

The CSS property to change the border of an element to Yxy 14.4509, 0.3169, 0.1797 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(170, 57, 172) }
```

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

```
.border{ border-color:rgb(170, 57, 172) }
```

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

Here you see how a box with a 4 pixel rgb(170, 57, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 57, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 57, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 57,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 14.4509, 0.3169, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 57, 172) }
```

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

```
.background{ background-color: rgb(170, 57,  
172) }
```

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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