

Converting Colors

$Y_{xy}(14.0394, 0.3123, 0.1837)$

Have a look what the booklet for
Yxy(14.0394, 0.3123, 0.1837)
contains.

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Color

Yxy(14.0589, 0.3125, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	A33EA8
RGB	163, 62, 168
RGB Percent	64%, 24%, 66%
CMY	0.3609, 0.7567, 0.3412
CMYK	0.03, 0.63, 0.00, 0.34
HSL	297°, 46%, 45%
HSV	297°, 63%, 66%
XYZ	23.8902, 14.0589, 38.4995
YIQ	104.2830, 26.1700, 54.3780

Conversions

Conversions Part 2

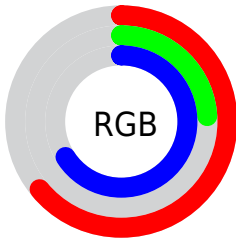
Format	Color
R _{YB}	163, 62, 168
Decimal	10698408
CIE _{Lab}	44.32, 55.56, -37.43
CIE _{LCh}	44, 66.991, 326.031
Yxy	14.0589, 0.3125, 0.1839
Android (android.graphics.Color)	4288888488 (0xFFA33EA8)
YUV	104.2830, 31.4125, 51.4948
Hunter-Lab	37.4952, 48.1153, -34.6315

Details

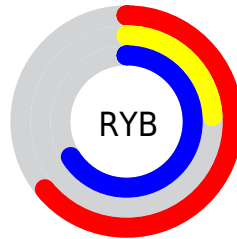
The Yxy color **14.0589, 0.3125, 0.1839** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.5484, 0.3064, 0.5267**, and the grayscale version is **13.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0882, 0.3142, 0.2113**, and **4.4259, 0.3063, 0.1461** is the 20% darker color. If you saturate the color by 10%, you get **12.4214, 0.3118, 0.1688**, and if you desaturate by 10%, it is **16.2630, 0.3130, 0.2027**.

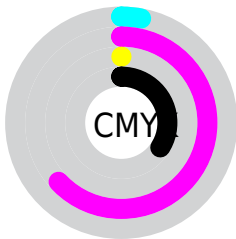
Distribution



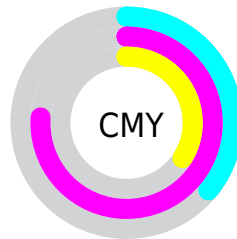
- Red (64%)
- Green (24%)
- Blue (66%)



- Red (64%)
- Yellow (24%)
- Blue (66%)



- Cyan (3%)
- Magenta (63%)
- Yellow (0%)
- Black (34%)





- Cyan (36%)
- Magenta (76%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0589, 0.3125, 0.1839 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 14.0589, 0.3125, 0.1839 by changing the saturation by 10% instead.


 14.0589, 0.3125,
0.1839


 14.0589, 0.3125,
0.1839


217.5969, 0.3161,
0.2598

 8.1616, 0.3100,
0.1645

 33.1935, 0.3149,
0.2120


 4.1986, 0.3056,
0.1399


 47.1996, 0.3154,
0.2224

 1.7852, 0.2973,
0.1081

 64.6775, 0.3158,
0.2312

 0.4779, 0.2828,
0.0606

 86.0115, 0.3160,
0.2386

 0.0000, 0.2486,
0.0000

 111.5861, 0.3161,
0.2450

 0.0000, 0.0000,
0.0000

141.7856, 0.3161,

0.2506

176.9944, 0.3161,
0.2555

■ 14.0589, 0.3125,
0.1839

■ 14.0589, 0.3125,
0.1839

■ 12.4214, 0.3118,
0.1688

■ 16.2630, 0.3130,
0.2027

■ 11.2947, 0.3109,
0.1577

■ 19.0789, 0.3133,
0.2243

■ 10.6149, 0.3099,
0.1508

■ 22.5495, 0.3134,
0.2479

■ 10.3037, 0.3092,
0.1477

■ 26.7132, 0.3133,
0.2726

■ 31.6057, 0.3131,
0.2974

■ 37.2598, 0.3128,
0.3217

■ 43.7067, 0.3124,
0.3450

■ 50.9757, 0.3120,
0.3669

■ 59.0946, 0.3115,
0.3873

Harmonies

Analogous

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



14.0589, 0.1987, 0.1516



14.0589, 0.3125, 0.1839



14.0589, 0.4572, 0.2422

Triad

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



14.0589, 0.3125, 0.1839



14.0589, 0.4889, 0.4878



14.0589, 0.1157, 0.2681

Complementary

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



14.0589, 0.3125, 0.1839



29.5484, 0.3064, 0.5267

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.



14.0589, 0.1666, 0.4275



14.0589, 0.3125, 0.1839



14.0589, 0.3801, 0.5732

Square

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



14.0589, 0.3125, 0.1839



14.0589, 0.5618, 0.3948



14.0589, 0.2644, 0.5722



14.0589, 0.1078, 0.1809

Rectangle

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



14.0589, 0.3125, 0.1839



14.0589, 0.5349, 0.2898



14.0589, 0.2644, 0.5722



14.0589, 0.1271, 0.3141

Sweetspot

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



14.0595, 0.3125, 0.1839



51.6265, 0.3133, 0.2818



7.9061, 0.1945, 0.1388



10.7425, 0.3133, 0.2750



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



14.0595, 0.3125, 0.1839



21.5501, 0.3115, 0.1635



13.1373, 0.3963, 0.2446



7.6482, 0.3130, 0.3067



7.7875, 0.3093, 0.1477



0.1948, 0.3134, 0.1500

Inverse Universe

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



12.1795, 0.5004, 0.3227



17.9514, 0.5656, 0.3234



30.1497, 0.2745, 0.4405



7.5479, 0.3278, 0.3280



6.3020, 0.6336, 0.3264



0.1551, 0.6054, 0.3108

Previews

White Background



This preview shows how the Yxy color 14.0589, 0.3125, 0.1839 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 Xy color 14.0589, 0.3125, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

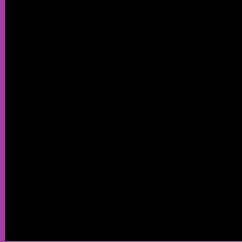
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0589, 0.3125, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 14.0589, 0.3125, 0.1839.



This preview shows how white text looks on a background with the Yxy color 14.0589, 0.3125, 0.1839.

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

14.0589, 0.3125, 0.1839

Protanopia

14.4726, 0.1843, 0.1579

Deuteranopia

14.2961, 0.2263, 0.2212



Tritanopia

14.1224, 0.4174, 0.3193

Trichromacy



Original Color

14.0589, 0.3125, 0.1839



Protanomaly

12.6484, 0.2083, 0.1563



Deuteranomaly

13.0763, 0.2496, 0.1968



Tritanomaly

13.8078, 0.3769, 0.2617

Monochromacy



Original Color

14.0589, 0.3125, 0.1839



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.0370, 0.3131, 0.2574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0589, 0.3125, 0.1839 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, 62, 168)` looks like.

```
.text, #text, p{  
    color:rgb(163, 62, 168)  
}
```

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, 62, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 62, 168) }
```

Border

The CSS property to change the border of an element to Yxy 14.0589, 0.3125, 0.1839 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, 62, 168) }
```

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

```
.border{ border-color:rgb(163, 62, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 62, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 62, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 62, 168);  
box-shadow:4px 4px 4px 4px rgb(163, 62,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0589, 0.3125, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 62, 168) }
```

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

```
.background{ background-color: rgb(163, 62,  
168) }
```

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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