

Converting Colors

$Y_{xy}(14.0678, 0.3418, 0.2051)$

Have a look what the booklet for
Yxy(14.0678, 0.3418, 0.2051)
contains.

Yxy(14.0375, 0.3408, 0.2046)	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(14.0375, 0.3408, 0.2046)

Conversions

Conversions Part 1

Format	Color
Hex	A73F98
RGB	167, 63, 152
RGB Percent	65%, 25%, 60%
CMY	0.3451, 0.7529, 0.4039
CMYK	0.00, 0.62, 0.09, 0.35
HSL	309°, 45%, 45%
HSV	309°, 62%, 65%
XYZ	23.3821, 14.0375, 31.1899
YIQ	104.2420, 33.4150, 49.7270

Conversions

Conversions Part 2

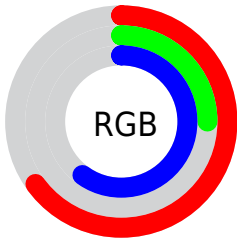
Format	Color
R_{YB}	167, 63, 152
Decimal	10960792
CIE _{Lab}	44.29, 53.44, -27.90
CIE _{LCh}	44, 60.281, 332.433
Yxy	14.0375, 0.3408, 0.2046
Android (android.graphics.Color)	4289150872 (0xFFA73F98)
YUV	104.2420, 23.5447, 55.0388
Hunter-Lab	37.4667, 45.8313, -23.1305

Details

The Yxy color **14.0375, 0.3408, 0.2046** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **29.2437, 0.2951, 0.5005**, and the grayscale version is **13.8411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2351, 0.3362, 0.2295**, and **4.3843, 0.3460, 0.1680** is the 20% darker color. If you saturate the color by 10%, you get **12.3825, 0.3463, 0.1914**, and if you desaturate by 10%, it is **16.2564, 0.3354, 0.2212**.

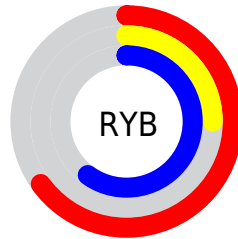
Distribution



Red (65%)

Green (25%)

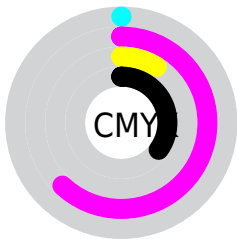
Blue (60%)



Red (65%)

Yellow (25%)

Blue (60%)

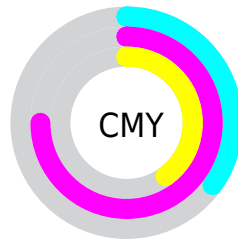


Cyan (0%)

Magenta (62%)

Yellow (9%)

Black (35%)



Cyan (35%)


Magenta (75%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0375, 0.3408, 0.2046 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 14.0375, 0.3408, 0.2046 by changing the saturation by 10% instead.


 14.0375, 0.3408,
0.2046


 14.0375, 0.3408,
0.2046


217.4640, 0.3271,
0.2713


 8.1468, 0.3438,
0.1867


 33.1556, 0.3361,
0.2298


 4.1890, 0.3471,
0.1633


 47.1516, 0.3342,
0.2390

 1.7798, 0.3504,
0.1317

 64.6183, 0.3326,
0.2467

 0.4746, 0.3553,
0.0793

 85.9399, 0.3312,
0.2532

 0.0000, 0.3522,
0.0000

 111.5009, 0.3300,
0.2587

 0.0000, 0.0000,
0.0000

141.6857, 0.3289,

0.2635

176.8786, 0.3280,
0.2677

■ 14.0375, 0.3408,
0.2046

■ 14.0375, 0.3408,
0.2046

■ 12.3825, 0.3463,
0.1914

■ 16.2564, 0.3354,
0.2212

■ 11.2369, 0.3517,
0.1823

■ 19.0831, 0.3302,
0.2402

■ 10.5389, 0.3568,
0.1776

■ 22.5597, 0.3253,
0.2609

■ 10.1967, 0.3607,
0.1761

■ 26.7238, 0.3209,
0.2823

■ 31.6101, 0.3169,
0.3036

■ 37.2511, 0.3134,
0.3244

■ 43.6773, 0.3104,
0.3442

■ 50.9174, 0.3078,
0.3629

■ 58.9986, 0.3055,
0.3802

Harmonies

Analogous

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



14.0375, 0.2271, 0.1681



14.0375, 0.3408, 0.2046



14.0375, 0.4691, 0.2641

Triad

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



14.0375, 0.3408, 0.2046



14.0375, 0.4605, 0.4991



14.0375, 0.1252, 0.2533

Complementary

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



14.0375, 0.3408, 0.2046



29.2437, 0.2951, 0.5005

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.



14.0375, 0.1656, 0.3843



14.0375, 0.3408, 0.2046



14.0375, 0.3579, 0.5609

Square

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



14.0375, 0.3408, 0.2046



14.0375, 0.5343, 0.4140



14.0375, 0.2504, 0.5255



14.0375, 0.1239, 0.1833

Rectangle

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



14.0375, 0.3408, 0.2046



14.0375, 0.5293, 0.3109



14.0375, 0.2504, 0.5255



14.0375, 0.1338, 0.2903

Sweetspot

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



14.0382, 0.3408, 0.2046



50.2887, 0.3197, 0.2885



7.9175, 0.2064, 0.1385



10.7412, 0.3208, 0.2826



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.



14.0382, 0.3408, 0.2046



21.2343, 0.3485, 0.1872



12.7128, 0.4314, 0.2732



7.6478, 0.3158, 0.3099



7.8083, 0.3602, 0.1758



0.1949, 0.3455, 0.1677

Inverse Universe

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



14.0382, 0.3408, 0.2046



21.2343, 0.3485, 0.1872



30.2753, 0.2621, 0.4004



7.6478, 0.3158, 0.3099



7.8083, 0.3602, 0.1758



0.1949, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 14.0375, 0.3408, 0.2046 looks on a white background.

Color Contrast Check

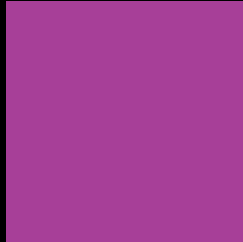
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0375, 0.3408, 0.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

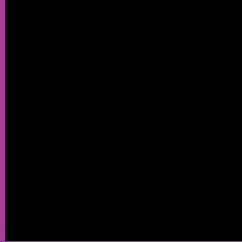
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0375, 0.3408, 0.2046

Background



This preview shows how black text looks on a background with the Yxy color 14.0375, 0.3408, 0.2046.



This preview shows how white text looks on a background with the Yxy color 14.0375, 0.3408, 0.2046.

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

14.0375, 0.3408, 0.2046

Protanopia

14.4390, 0.2032, 0.1831

Deuteranopia

14.2203, 0.2519, 0.2475



Tritanopia

14.0466, 0.4362, 0.3198

Trichromacy



Original Color

14.0375, 0.3408, 0.2046

Protanomaly

12.9190, 0.2346, 0.1812

Deuteranomaly

13.2048, 0.2781, 0.2222

Tritanomaly

13.8318, 0.4013, 0.2718

Monochromacy



Original Color

14.0375, 0.3408, 0.2046

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.0373, 0.3247, 0.2683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0375, 0.3408, 0.2046 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(167, 63, 152)` looks like.

```
.text, #text, p{  
    color:rgb(167, 63, 152)  
}
```

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(167, 63, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 63, 152) }
```

Border

The CSS property to change the border of an element to Yxy 14.0375, 0.3408, 0.2046 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(167, 63, 152) }
```

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

```
.border{ border-color:rgb(167, 63, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 63, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 63, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 63, 152);  
box-shadow:4px 4px 4px 4px rgb(167, 63,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0375, 0.3408, 0.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 63, 152) }
```

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

```
.background{ background-color: rgb(167, 63,  
152) }
```

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