

Converting Colors

$Y_{xy}(14.6255, 0.4008, 0.2168)$

Have a look what the booklet for
Yxy(14.6255, 0.4008, 0.2168)
contains.

Yxy(14.5964, 0.4003, 0.2166)	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(14.5964, 0.4003, 0.2166)

Conversions

Conversions Part 1

Format	Color
Hex	BF2A8B
RGB	191, 42, 139
RGB Percent	75%, 16%, 55%
CMY	0.2509, 0.8353, 0.4550
CMYK	0.00, 0.78, 0.27, 0.25
HSL	321°, 64%, 46%
HSV	321°, 78%, 75%
XYZ	26.9757, 14.5964, 25.8166
YIQ	97.6090, 57.6670, 61.7550

Conversions

Conversions Part 2

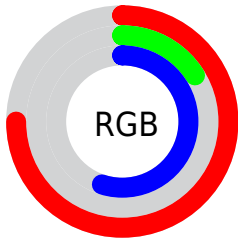
Format	Color
R_{YB}	191, 42, 139
Decimal	12528267
CIE _{Lab}	45.08, 65.33, -18.48
CIE _{LCh}	45, 67.890, 344.201
Yxy	14.5964, 0.4003, 0.2166
Android (android.graphics.Color)	4290718347 (0xFFBF2A8B)
YUV	97.6090, 20.4058, 81.9039
Hunter-Lab	38.2052, 59.1750, -13.3207

Details

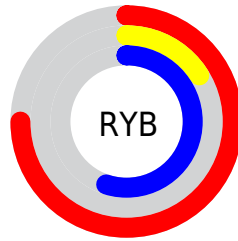
The Yxy color **14.5964, 0.4003, 0.2166** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **38.5680, 0.2804, 0.5004**, and the grayscale version is **12.0491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2601, 0.3806, 0.2399**, and **5.7078, 0.4230, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **13.3612, 0.4157, 0.2138**, and if you desaturate by 10%, it is **16.4902, 0.3851, 0.2242**.

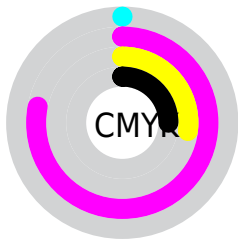
Distribution



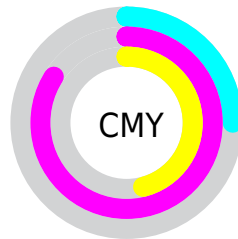
- Red (75%)
- Green (16%)
- Blue (55%)



- Red (75%)
- Yellow (16%)
- Blue (55%)



- Cyan (0%)
- Magenta (78%)
- Yellow (27%)
- Black (25%)





- Cyan (25%)
- Magenta (84%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5964, 0.4003, 0.2166 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 14.5964, 0.4003, 0.2166 by changing the saturation by 10% instead.


 14.5964, 0.4003,
0.2166


 14.5964, 0.4003,
0.2166


 220.9102, 0.3514,
0.2775


 8.5366, 0.4144,
0.2000


 34.1436, 0.3812,
0.2398


 4.4402, 0.4338,
0.1779


 48.3998, 0.3744,
0.2482


 1.9227, 0.4617,
0.1475


 66.1569, 0.3688,
0.2552

 0.5620, 0.5080,
0.0986

 87.7993, 0.3642,
0.2611

 0.0000, 0.6114,
0.0000

 113.7115, 0.3602,
0.2661

 0.0000, 1.0000,
0.0000

 144.2777, 0.3569,

 0.0000, 0.0000,

0.2704

0.0000

179.8825, 0.3539,
0.2742

■ 14.5964, 0.4003,
0.2166

■ 14.5964, 0.4003,
0.2166

■ 13.3612, 0.4157,
0.2138

■ 16.4902, 0.3851,
0.2242

■ 12.6577, 0.4308,
0.2158

■ 19.1216, 0.3706,
0.2357

■ 12.5416, 0.4339,
0.2164

■ 22.5610, 0.3572,
0.2500

■ 26.8696, 0.3452,
0.2660

■ 32.1028, 0.3347,
0.2829

■ 38.3116, 0.3257,
0.2998

■ 45.5429, 0.3180,
0.3163

■ 53.8407, 0.3115,
0.3320

■ 63.2465, 0.3061,
0.3468

Harmonies

Analogous

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



14.5964, 0.2617, 0.1677



14.5964, 0.4003, 0.2166



14.5964, 0.5295, 0.2852

Triad

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



14.5964, 0.4003, 0.2166



14.5964, 0.4250, 0.5440



14.5964, 0.1066, 0.2070

Complementary

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



14.5964, 0.4003, 0.2166



38.5680, 0.2804, 0.5004

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.



14.5964, 0.1297, 0.3234



14.5964, 0.4003, 0.2166



14.5964, 0.3096, 0.5904

Square

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



14.5964, 0.4003, 0.2166



14.5964, 0.5238, 0.4496



14.5964, 0.2006, 0.4965



14.5964, 0.1194, 0.1563

Rectangle

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



14.5964, 0.4003, 0.2166



14.5964, 0.5697, 0.3356



14.5964, 0.2006, 0.4965



14.5964, 0.1098, 0.2372

Sweetspot

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



14.5972, 0.4003, 0.2166



62.4372, 0.3303, 0.2908



7.6757, 0.2021, 0.1062



12.8488, 0.3338, 0.2846



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



14.5972, 0.4003, 0.2166



22.9347, 0.4270, 0.2150



13.1367, 0.5418, 0.3051



9.6382, 0.3189, 0.3142



8.2566, 0.4319, 0.2153



0.3353, 0.3990, 0.1972

Inverse Universe

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



14.5972, 0.4003, 0.2166



22.9347, 0.4270, 0.2150



40.5192, 0.2417, 0.3697



9.6382, 0.3189, 0.3142



8.2566, 0.4319, 0.2153



0.3353, 0.3990, 0.1972

Previews

White Background



This preview shows how the Yxy color 14.5964, 0.4003, 0.2166 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 14.5964, 0.4003, 0.2166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

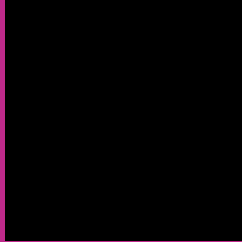
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5964, 0.4003, 0.2166

Background



This preview shows how black text looks on a background with the Yxy color 14.5964, 0.4003, 0.2166.



This preview shows how white text looks on a background with the Yxy color 14.5964, 0.4003, 0.2166.

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

14.5964, 0.4003, 0.2166

Protanopia

15.0260, 0.2071, 0.1876

Deuteranopia

14.8060, 0.2824, 0.2771



Tritanopia

14.6494, 0.5148, 0.3248

Trichromacy



Original Color

14.5964, 0.4003, 0.2166

Protanomaly

12.5440, 0.2506, 0.1822

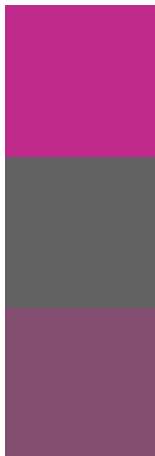
Deuteranomaly

13.0742, 0.3215, 0.2383

Tritanomaly

14.4258, 0.4773, 0.2843

Monochromacy



Original Color

14.5964, 0.4003, 0.2166

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.5466, 0.3474, 0.2635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5964, 0.4003, 0.2166 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(191, 42, 139)` looks like.

```
.text, #text, p{  
    color:rgb(191, 42, 139)  
}
```

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(191, 42, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 42, 139) }
```

Border

The CSS property to change the border of an element to Yxy 14.5964, 0.4003, 0.2166 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(191, 42, 139) }
```

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

```
.border{ border-color:rgb(191, 42, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 42, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 42, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 42, 139);  
box-shadow:4px 4px 4px 4px rgb(191, 42,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5964, 0.4003, 0.2166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 42, 139) }
```

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

```
.background{ background-color: rgb(191, 42,  
139) }
```

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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