

Converting Colors

$Y_{xy}(14.5436, 0.3152, 0.2106)$

Have a look what the booklet for
Yxy(14.5436, 0.3152, 0.2106)
contains.

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Color

Yxy(14.5876, 0.3154, 0.2113)

Conversions

Conversions Part 1

Format	Color
Hex	994E9B
RGB	153, 78, 155
RGB Percent	60%, 31%, 61%
CMY	0.4001, 0.6940, 0.3922
CMYK	0.01, 0.50, 0.00, 0.39
HSL	298°, 33%, 46%
HSV	298°, 50%, 61%
XYZ	21.7744, 14.5876, 32.6754
YIQ	109.2030, 19.9830, 39.8470

Conversions

Conversions Part 2

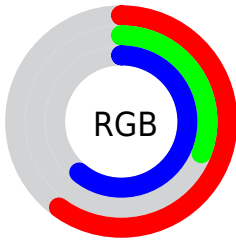
Format	Color
R _Y B	153, 78, 155
Decimal	10047131
CIE Lab	45.06, 42.73, -28.62
CIE LCh	45, 51.432, 326.191
Yxy	14.5876, 0.3154, 0.2113
Android (android.graphics.Color)	4288237211 (0xFF994E9B)
YUV	109.2030, 22.5779, 38.4100
Hunter-Lab	38.1937, 34.9246, -23.9880

Details

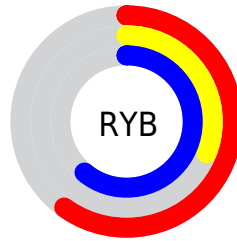
The Yxy color **14.5876, 0.3154, 0.2113** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **25.6977, 0.3072, 0.4811**, and the grayscale version is **15.2851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1737, 0.3161, 0.2353**, and **4.4274, 0.3134, 0.1719** is the 20% darker color. If you saturate the color by 10%, you get **12.5995, 0.3156, 0.1919**, and if you desaturate by 10%, it is **17.0963, 0.3151, 0.2333**.

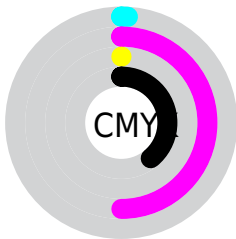
Distribution



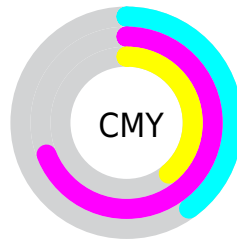
- Red (60%)
- Green (31%)
- Blue (61%)



- Red (60%)
- Yellow (31%)
- Blue (61%)



- Cyan (1%)
- Magenta (50%)
- Yellow (0%)
- Black (39%)




- Cyan (40%)
- Magenta (69%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5876, 0.3154, 0.2113 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 14.5876, 0.3154, 0.2113 by changing the saturation by 10% instead.


 14.5876, 0.3154,
0.2113


 14.5876, 0.3154,
0.2113


220.8563, 0.3161,
0.2748


 8.5305, 0.3142,
0.1941


 34.1281, 0.3163,
0.2354


 4.4362, 0.3117,
0.1714


 48.3802, 0.3164,
0.2442


 1.9204, 0.3067,
0.1406

 66.1328, 0.3165,
0.2515

 0.5606, 0.2969,
0.0919

 87.7702, 0.3164,
0.2576

 0.0000, 0.2619,
0.0000

 113.6769, 0.3164,
0.2628

 0.0000, 0.0000,
0.0000

144.2372, 0.3163,

0.2674

179.8355, 0.3162,
0.2713

■ 14.5876, 0.3154,
0.2113

■ 14.5876, 0.3154,
0.2113

■ 12.5995, 0.3156,
0.1919

■ 17.0963, 0.3151,
0.2333

■ 11.0929, 0.3156,
0.1758

■ 20.1569, 0.3146,
0.2570

■ 10.0265, 0.3154,
0.1636


■ 23.8009, 0.3140,
0.2815

■ 9.3514, 0.3150,
0.1556


■ 28.0565, 0.3134,
0.3060

■ 8.9527, 0.3145,
0.1508

■ 32.9503, 0.3127,
0.3298

 8.9401, 0.3145,
0.1506

 38.5072, 0.3120,
0.3525

 44.7510, 0.3113,
0.3739

 51.7039, 0.3106,
0.3937

 59.3876, 0.3099,
0.4119

Harmonies

Analogous

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



14.5876, 0.2232, 0.1832



14.5876, 0.3154, 0.2113



14.5876, 0.4246, 0.2618

Triad

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



14.5876, 0.3154, 0.2113



14.5876, 0.4628, 0.4685



14.5876, 0.1528, 0.2866

Complementary

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



14.5876, 0.3154, 0.2113



25.6977, 0.3072, 0.4811

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.



14.5876, 0.1998, 0.4029



14.5876, 0.3154, 0.2113



14.5876, 0.3781, 0.5214

Square

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



14.5876, 0.3154, 0.2113



14.5876, 0.5133, 0.3962



14.5876, 0.2823, 0.5053



14.5876, 0.1432, 0.2128

Rectangle

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



14.5876, 0.3154, 0.2113



14.5876, 0.4834, 0.3036



14.5876, 0.2823, 0.5053



14.5876, 0.1640, 0.3219

Sweetspot

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



14.5882, 0.3154, 0.2113



45.8224, 0.3137, 0.2922



9.8101, 0.2215, 0.1815



10.0410, 0.3139, 0.2874



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



14.5882, 0.3154, 0.2113



22.1061, 0.3156, 0.1892



13.7530, 0.3734, 0.2623



6.3154, 0.3133, 0.3070



7.1841, 0.3146, 0.1506



0.1096, 0.3176, 0.1523

Inverse Universe

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



12.9990, 0.4438, 0.3261



18.9386, 0.4939, 0.3258



26.2746, 0.2788, 0.4092



6.2252, 0.3279, 0.3285



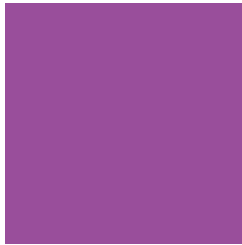
5.6052, 0.6362, 0.3279



0.0844, 0.6176, 0.3176

Previews

White Background



This preview shows how the Yxy color 14.5876, 0.3154, 0.2113 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 14.5876, 0.3154, 0.2113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

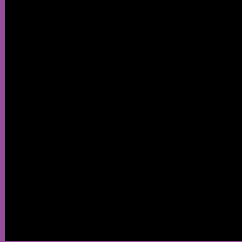
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5876, 0.3154, 0.2113

Background



This preview shows how black text looks on a background with the Yxy color 14.5876, 0.3154, 0.2113.



This preview shows how white text looks on a background with the Yxy color 14.5876, 0.3154, 0.2113.

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

14.5876, 0.3154, 0.2113

Protanopia

14.8953, 0.2148, 0.1981

Deuteranopia

14.7854, 0.2480, 0.2433



Tritanopia

14.6661, 0.3874, 0.3168

Trichromacy



Original Color

14.5876, 0.3154, 0.2113

Protanomaly

14.0900, 0.2415, 0.1981

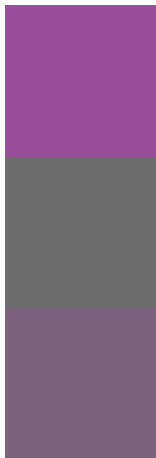
Deuteranomaly

14.2101, 0.2684, 0.2271

Tritanomaly

14.5379, 0.3615, 0.2747

Monochromacy



Original Color

14.5876, 0.3154, 0.2113

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.6017, 0.3138, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5876, 0.3154, 0.2113 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(153, 78, 155)` looks like.

```
.text, #text, p{  
  color:rgb(153, 78, 155)  
}
```

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(153, 78, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 78, 155) }
```

Border

The CSS property to change the border of an element to Yxy 14.5876, 0.3154, 0.2113 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(153, 78, 155) }
```

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

```
.border{ border-color:rgb(153, 78, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 78, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 78, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 78, 155);  
box-shadow:4px 4px 4px 4px rgb(153, 78,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5876, 0.3154, 0.2113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 78, 155) }
```

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

```
.background{ background-color: rgb(153, 78,  
155) }
```

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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