

Converting Colors

$Y_{xy}(14.6218, 0.2698, 0.1587)$

Have a look what the booklet for
Yxy(14.6218, 0.2698, 0.1587)
contains.

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Color

Yxy(14.5638, 0.2700, 0.1584)

Conversions

Conversions Part 1

Format	Color
Hex	9942C2
RGB	153, 66, 194
RGB Percent	60%, 26%, 76%
CMY	0.4000, 0.7412, 0.2391
CMYK	0.21, 0.66, 0.00, 0.24
HSL	281°, 51%, 51%
HSV	281°, 66%, 76%
XYZ	24.8247, 14.5638, 52.5547
YIQ	106.6050, 10.7640, 58.2520

Conversions

Conversions Part 2

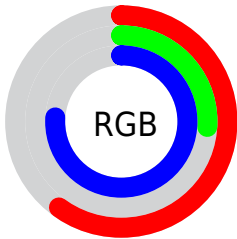
Format	Color
R_{YB}	153, 66, 194
Decimal	10044098
CIE _{Lab}	45.03, 56.54, -51.66
CIE _{LCh}	45, 76.589, 317.585
Yxy	14.5638, 0.2700, 0.1584
Android (android.graphics.Color)	4288234178 (0xFF9942C2)
YUV	106.6050, 43.0857, 40.6884
Hunter-Lab	38.1625, 49.3294, -54.9362

Details

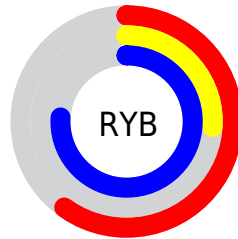
The Yxy color **14.5638, 0.2700, 0.1584** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **42.1137, 0.3279, 0.5241**, and the grayscale version is **14.4648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0996, 0.2817, 0.1895**, and **4.4055, 0.2474, 0.1136** is the 20% darker color. If you saturate the color by 10%, you get **12.0799, 0.2613, 0.1388**, and if you desaturate by 10%, it is **17.8490, 0.2784, 0.1816**.

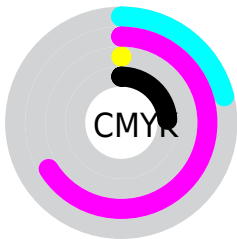
Distribution



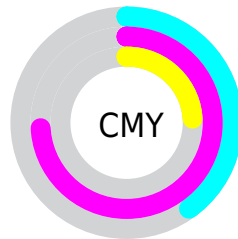
- Red (60%)
- Green (26%)
- Blue (76%)



- Red (60%)
- Yellow (26%)
- Blue (76%)



- Cyan (21%)
- Magenta (66%)
- Yellow (0%)
- Black (24%)




- Cyan (40%)
- Magenta (74%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5638, 0.2700, 0.1584 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 14.5638, 0.2700, 0.1584 by changing the saturation by 10% instead.

 14.5638, 0.2700,
0.1584


 14.5638, 0.2700,
0.1584


220.7106, 0.2981,
0.2442


 8.5138, 0.2607,
0.1381


 34.0861, 0.2819,
0.1891


 4.4255, 0.2476,
0.1133


 48.3273, 0.2858,
0.2008


 1.9143, 0.2280,
0.0833

 66.0676, 0.2890,
0.2108

 0.5569, 0.1983,
0.0455

 87.6915, 0.2915,
0.2194

 0.0000, 0.1514,
0.0000

 113.5833, 0.2936,
0.2268

 0.0000, 0.0000,
0.0000

144.1275, 0.2953,

0.2334

179.7085, 0.2968,
0.2391

■ 14.5638, 0.2700,
0.1584

■ 14.5638, 0.2700,
0.1584

■ 12.0799, 0.2613,
0.1388

■ 17.8490, 0.2784,
0.1816

■ 10.3137, 0.2527,
0.1238

■ 22.0045, 0.2864,
0.2074

■ 9.1624, 0.2444,
0.1136

■ 27.0932, 0.2936,
0.2346

■ 8.7901, 0.2411,
0.1102

■ 33.1722, 0.3000,
0.2620

■ 40.2935, 0.3056,
0.2888

■ 48.5055, 0.3103,
0.3144

■ 57.8537, 0.3142,
0.3384

■ 68.3808, 0.3174,
0.3605

■ 80.1273, 0.3201,
0.3807

Harmonies

Analogous

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



14.5638, 0.1629, 0.1331



14.5638, 0.2700, 0.1584



14.5638, 0.4286, 0.2129

Triad

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



14.5638, 0.2700, 0.1584



14.5638, 0.5294, 0.4643



14.5638, 0.1075, 0.2998

Complementary

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



14.5638, 0.2700, 0.1584



42.1137, 0.3279, 0.5241

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.



14.5638, 0.1740, 0.4995



14.5638, 0.2700, 0.1584



14.5638, 0.4136, 0.5736

Square

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



14.5638, 0.2700, 0.1584



14.5638, 0.5950, 0.3656



14.5638, 0.2868, 0.6236



14.5638, 0.0905, 0.1835

Rectangle

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



14.5638, 0.2700, 0.1584



14.5638, 0.5299, 0.2606



14.5638, 0.2868, 0.6236



14.5638, 0.1233, 0.3602

Sweetspot

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



14.5644, 0.2700, 0.1584



67.1587, 0.3033, 0.2773



15.9213, 0.2013, 0.1840



13.9066, 0.3016, 0.2696



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



14.5644, 0.2700, 0.1584



20.3657, 0.2576, 0.1319



18.3731, 0.3472, 0.2012



10.0805, 0.3088, 0.3060



5.8233, 0.2422, 0.1108



0.2873, 0.2603, 0.1207

Inverse Universe

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



16.4300, 0.4555, 0.2787



24.6094, 0.5056, 0.2778



40.4453, 0.2932, 0.5094



10.1299, 0.3240, 0.3216



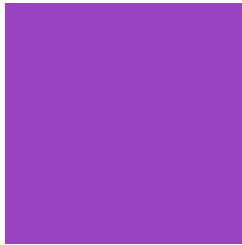
7.7840, 0.5663, 0.2893



0.3491, 0.5018, 0.2538

Previews

White Background



This preview shows how the Yxy color 14.5638, 0.2700, 0.1584 looks on a white background.

Color Contrast Check

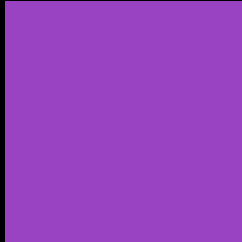
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5638, 0.2700, 0.1584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

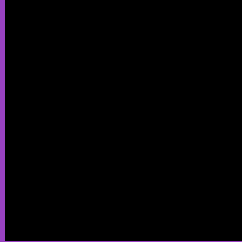
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5638, 0.2700, 0.1584

Background



This preview shows how black text looks on a background with the Yxy color 14.5638, 0.2700, 0.1584.



This preview shows how white text looks on a background with the Yxy color 14.5638, 0.2700, 0.1584.

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

14.5638, 0.2700, 0.1584

Protanopia

14.8150, 0.1739, 0.1461

Deuteranopia

14.7839, 0.1939, 0.1883



Tritanopia

14.6327, 0.3705, 0.3163

Trichromacy



Original Color

14.5638, 0.2700, 0.1584



Protanomaly

12.8062, 0.1834, 0.1388



Deuteranomaly

13.3418, 0.2087, 0.1671



Tritanomaly

14.0192, 0.3301, 0.2430

Monochromacy



Original Color

14.5638, 0.2700, 0.1584



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.8035, 0.2957, 0.2430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5638, 0.2700, 0.1584 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, 66, 194)` looks like.

```
.text, #text, p{  
    color:rgb(153, 66, 194)  
}
```

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, 66, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 66, 194) }
```

Border

The CSS property to change the border of an element to Yxy 14.5638, 0.2700, 0.1584 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, 66, 194) }
```

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

```
.border{ border-color:rgb(153, 66, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 66, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 66, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 66, 194);  
box-shadow:4px 4px 4px 4px rgb(153, 66,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5638, 0.2700, 0.1584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 66, 194) }
```

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

```
.background{ background-color: rgb(153, 66,  
194) }
```

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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