

Converting Colors

$Y_{xy}(13.6165, 0.2582, 0.1542)$

Have a look what the booklet for
Yxy(13.6165, 0.2582, 0.1542)
contains.

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Color

Yxy(13.6153, 0.2581, 0.1542)

Conversions

Conversions Part 1

Format	Color
Hex	8E43C1
RGB	142, 67, 193
RGB Percent	56%, 26%, 76%
CMY	0.4432, 0.7373, 0.2430
CMYK	0.26, 0.65, 0.00, 0.24
HSL	276°, 50%, 51%
HSV	276°, 65%, 76%
XYZ	22.7893, 13.6153, 51.8918
YIQ	103.7890, 4.2540, 55.0860

Conversions

Conversions Part 2

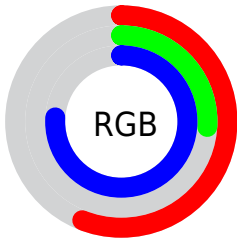
Format	Color
R_{YB}	142, 67, 193
Decimal	9323457
CIE _{Lab}	43.68, 53.40, -53.33
CIE _{LCh}	44, 75.470, 315.036
Yxy	13.6153, 0.2581, 0.1542
Android (android.graphics.Color)	4287513537 (0xFF8E43C1)
YUV	103.7890, 43.9810, 33.5110
Hunter-Lab	36.8989, 45.6710, -57.5516

Details

The Yxy color **13.6153, 0.2581, 0.1542** 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 **42.4083, 0.3361, 0.5171**, and the grayscale version is **13.6638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4772, 0.2728, 0.1864**, and **4.0132, 0.2324, 0.1085** is the 20% darker color. If you saturate the color by 10%, you get **11.0236, 0.2472, 0.1327**, and if you desaturate by 10%, it is **17.0211, 0.2688, 0.1793**.

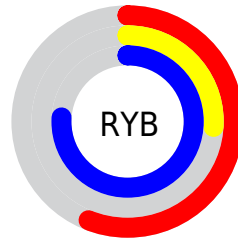
Distribution



Red (56%)

Green (26%)

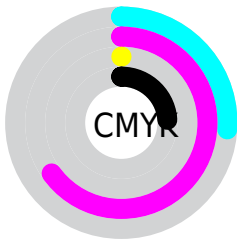
Blue (76%)



Red (56%)

Yellow (26%)

Blue (76%)

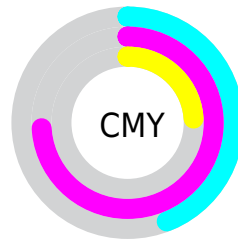


Cyan (26%)

Magenta (65%)

Yellow (0%)

Black (24%)



Cyan (44%)


Magenta (74%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6153, 0.2581, 0.1542 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 13.6153, 0.2581, 0.1542 by changing the saturation by 10% instead.


 13.6153, 0.2581,
0.1542


 13.6153, 0.2581,
0.1542


214.8243, 0.2929,
0.2427


 7.8536, 0.2470,
0.1332


 32.4049, 0.2726,
0.1859


 4.0014, 0.2313,
0.1077


 46.2015, 0.2775,
0.1980


 1.6744, 0.2085,
0.0770

 63.4452, 0.2814,
0.2083

 0.4070, 0.1752,
0.0355

 84.5205, 0.2846,
0.2172

 0.0000, 0.1202,
0.0000

 109.8116, 0.2872,
0.2249

 0.0000, 0.0000,
0.0000

139.7030, 0.2894,

0.2316

174.5791, 0.2913,
0.2375

■ 13.6153, 0.2581,
0.1542

■ 13.6153, 0.2581,
0.1542

■ 11.0236, 0.2472,
0.1327

■ 17.0211, 0.2688,
0.1793

■ 9.1640, 0.2365,
0.1158

■ 21.3089, 0.2789,
0.2066

■ 7.9388, 0.2264,
0.1040

■ 26.5412, 0.2882,
0.2349

■ 7.4873, 0.2218,
0.0996

■ 32.7742, 0.2965,
0.2632

■ 40.0594, 0.3037,
0.2904

■ 48.4450, 0.3098,
0.3161

■ 57.9760, 0.3151,
0.3400

■ 68.6949, 0.3194,
0.3618

■ 80.6419, 0.3230,
0.3816

Harmonies

Analogous

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



13.6153, 0.1556, 0.1313



13.6153, 0.2581, 0.1542



13.6153, 0.4150, 0.2065

Triad

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



13.6153, 0.2581, 0.1542



13.6153, 0.5389, 0.4555



13.6153, 0.1098, 0.3139

Complementary

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



13.6153, 0.2581, 0.1542



42.4083, 0.3361, 0.5171

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.



13.6153, 0.1812, 0.5182



13.6153, 0.2581, 0.1542



13.6153, 0.4254, 0.5676

Square

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



13.6153, 0.2581, 0.1542



13.6153, 0.5987, 0.3579



13.6153, 0.2966, 0.6271



13.6153, 0.0895, 0.1891

Rectangle

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



13.6153, 0.2581, 0.1542



13.6153, 0.5202, 0.2536



13.6153, 0.2966, 0.6271



13.6153, 0.1271, 0.3774

Sweetspot

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



13.6158, 0.2581, 0.1542



64.9348, 0.3002, 0.2769



18.3594, 0.2067, 0.2040



13.1550, 0.2981, 0.2691



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.



13.6158, 0.2581, 0.1542



18.2816, 0.2429, 0.1255



18.7534, 0.3327, 0.1919



10.0376, 0.3075, 0.3059



5.0263, 0.2230, 0.1002



0.2565, 0.2448, 0.1122

Inverse Universe

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



16.6631, 0.4339, 0.2651



24.7542, 0.4756, 0.2613



39.8859, 0.2983, 0.5231



10.1440, 0.3227, 0.3197



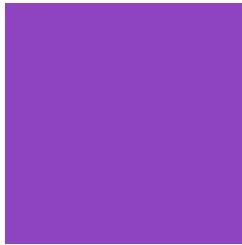
7.9229, 0.5333, 0.2711



0.3560, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 13.6153, 0.2581, 0.1542 looks on a white background.

Color Contrast Check

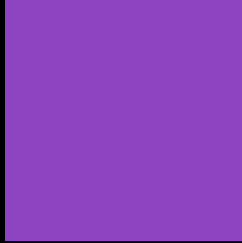
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6153, 0.2581, 0.1542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

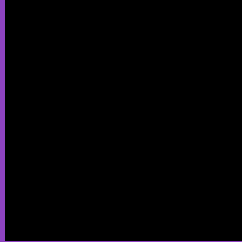
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6153, 0.2581, 0.1542

Background



This preview shows how black text looks on a background with the Yxy color 13.6153, 0.2581, 0.1542.



This preview shows how white text looks on a background with the Yxy color 13.6153, 0.2581, 0.1542.

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

13.6153, 0.2581, 0.1542

Deuteranopia

13.8078, 0.1862, 0.1807

Tritanopia

13.6558, 0.3520, 0.3154

Trichromacy



Original Color

13.6153, 0.2581, 0.1542

Deuteranomaly

12.2801, 0.1959, 0.1593

Tritanomaly

13.1518, 0.3125, 0.2398

Monochromacy



Original Color

13.6153, 0.2581, 0.1542

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.1113, 0.2912, 0.2439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6153, 0.2581, 0.1542 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(142, 67, 193)` looks like.

```
.text, #text, p{  
    color:rgb(142, 67, 193)  
}
```

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(142, 67, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 67, 193) }
```

Border

The CSS property to change the border of an element to Yxy 13.6153, 0.2581, 0.1542 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(142, 67, 193) }
```

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

```
.border{ border-color:rgb(142, 67, 193) }
```

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

Here you see how a box with a 4 pixel rgb(142, 67, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 67, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 67, 193);  
box-shadow:4px 4px 4px 4px rgb(142, 67,  
193) }
```

Background

The CSS property to change the background color of an element to Yxy 13.6153, 0.2581, 0.1542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 67, 193) }
```

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

```
.background{ background-color: rgb(142, 67,  
193) }
```

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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