

Converting Colors

$Y_{xy}(13.1043, 0.2566, 0.1412)$

Have a look what the booklet for
Yxy(13.1043, 0.2566, 0.1412)
contains.

Yxy(13.1056, 0.2566, 0.1412)	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(13.1056, 0.2566, 0.1412)

Conversions

Conversions Part 1

Format	Color
Hex	9337C8
RGB	147, 55, 200
RGB Percent	58%, 22%, 78%
CMY	0.4236, 0.7841, 0.2158
CMYK	0.26, 0.72, 0.00, 0.22
HSL	278°, 57%, 50%
HSV	278°, 72%, 78%
XYZ	23.8166, 13.1056, 55.8937
YIQ	99.0380, 8.2870, 64.5990

Conversions

Conversions Part 2

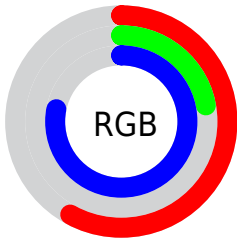
Format	Color
R_{YB}	147, 55, 200
Decimal	9648072
CIE _{Lab}	42.92, 61.25, -58.55
CIE _{LCh}	43, 84.731, 316.291
Yxy	13.1056, 0.2566, 0.1412
Android (android.graphics.Color)	4287838152 (0xFF9337C8)
YUV	99.0380, 49.7743, 42.0627
Hunter-Lab	36.2017, 54.0797, -66.1999

Details

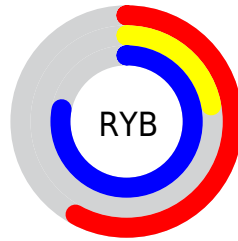
The Yxy color **13.1056, 0.2566, 0.1412** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **44.7573, 0.3313, 0.5387**, and the grayscale version is **12.3630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3510, 0.2738, 0.1759**, and **4.2180, 0.2294, 0.1037** is the 20% darker color. If you saturate the color by 10%, you get **10.9197, 0.2467, 0.1237**, and if you desaturate by 10%, it is **16.1049, 0.2665, 0.1631**.

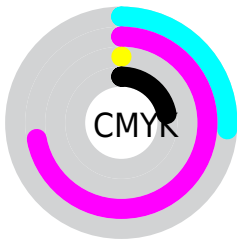
Distribution



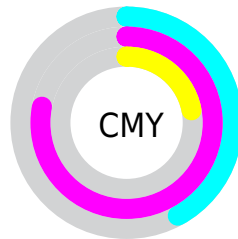
- Red (58%)
- Green (22%)
- Blue (78%)



- Red (58%)
- Yellow (22%)
- Blue (78%)



- Cyan (26%)
- Magenta (72%)
- Yellow (0%)
- Black (22%)





- Cyan (42%)
- Magenta (78%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1056, 0.2566, 0.1412 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 13.1056, 0.2566, 0.1412 by changing the saturation by 10% instead.

 13.1056, 0.2566,
0.1412


 13.1056, 0.2566,
0.1412


211.5933, 0.2929,
0.2344


 7.5013, 0.2450,
0.1199


 31.4934, 0.2717,
0.1740


 3.7775, 0.2288,
0.0946


 45.0456, 0.2768,
0.1867


 1.5499, 0.2055,
0.0652


 62.0160, 0.2809,
0.1976

 0.3235, 0.1723,
0.0252

 82.7889, 0.2842,
0.2070

 0.0000, 0.1201,
0.0000

 107.7487, 0.2870,
0.2152

 0.0000, 0.0000,
0.0000

 137.2797, 0.2893,

0.2224

171.7665, 0.2912,
0.2288

■ 13.1056, 0.2566,
0.1412

■ 13.1056, 0.2566,
0.1412

■ 10.9197, 0.2467,
0.1237

■ 16.1049, 0.2665,
0.1631

■ 9.4454, 0.2372,
0.1111

■ 19.9997, 0.2760,
0.1882

■ 8.6683, 0.2304,
0.1043

■ 24.8636, 0.2850,
0.2154

■ 30.7619, 0.2930,
0.2433

■ 37.7541, 0.3002,
0.2711

■ 45.8951, 0.3063,
0.2978

■ 55.2360, 0.3116,
0.3231

■ 65.8249, 0.3159,
0.3464

■ 77.7071, 0.3195,
0.3678

Harmonies

Analogous

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



13.1056, 0.1446, 0.1163



13.1056, 0.2566, 0.1412



13.1056, 0.4346, 0.1970

Triad

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



13.1056, 0.2566, 0.1412



13.1056, 0.5443, 0.4557



13.1056, 0.0893, 0.2990

Complementary

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



13.1056, 0.2566, 0.1412



44.7573, 0.3313, 0.5387

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.



13.1056, 0.1581, 0.5388



13.1056, 0.2566, 0.1412



13.1056, 0.4145, 0.5855

Square

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



13.1056, 0.2566, 0.1412



13.1056, 0.6238, 0.3522



13.1056, 0.2772, 0.6675



13.1056, 0.0732, 0.1690

Rectangle

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



13.1056, 0.2566, 0.1412



13.1056, 0.5526, 0.2462



13.1056, 0.2772, 0.6675



13.1056, 0.1051, 0.3705

Sweetspot

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



13.1061, 0.2566, 0.1412



65.5957, 0.3003, 0.2715



15.7461, 0.1934, 0.1752



13.2837, 0.2984, 0.2640



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.



13.1061, 0.2566, 0.1412



17.3008, 0.2412, 0.1158



18.3326, 0.3448, 0.1888



10.6153, 0.3080, 0.3058



5.5662, 0.2317, 0.1050



0.3036, 0.2505, 0.1153

Inverse Universe

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



16.0947, 0.4662, 0.2691



23.5772, 0.5178, 0.2722



42.6035, 0.2949, 0.5352



10.7000, 0.3233, 0.3206



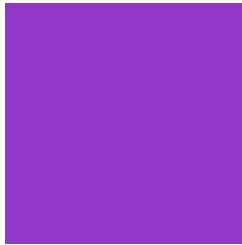
8.1305, 0.5493, 0.2800



0.3989, 0.4917, 0.2482

Previews

White Background



This preview shows how the Yxy color 13.1056, 0.2566, 0.1412 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 13.1056, 0.2566, 0.1412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

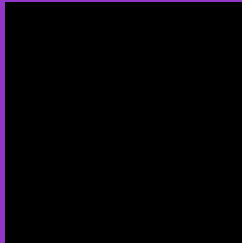
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1056, 0.2566, 0.1412

Background



This preview shows how black text looks on a background with the Yxy color 13.1056, 0.2566, 0.1412.



This preview shows how white text looks on a background with the Yxy color 13.1056, 0.2566, 0.1412.

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

13.1056, 0.2566, 0.1412

Protanopia

13.2894, 0.1742, 0.1469

Deuteranopia

13.2780, 0.1840, 0.1824



Tritanopia

13.1098, 0.3647, 0.3155

Trichromacy



Original Color

13.1056, 0.2566, 0.1412



Protanomaly

11.1992, 0.1807, 0.1305



Deuteranomaly

11.0866, 0.1874, 0.1486



Tritanomaly

12.4323, 0.3189, 0.2298

Monochromacy



Original Color

13.1056, 0.2566, 0.1412



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.6771, 0.2880, 0.2281

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1056, 0.2566, 0.1412 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(147, 55, 200)` looks like.

```
.text, #text, p{  
    color:rgb(147, 55, 200)  
}
```

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(147, 55, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 55, 200) }
```

Border

The CSS property to change the border of an element to Yxy 13.1056, 0.2566, 0.1412 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(147, 55, 200) }
```

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

```
.border{ border-color:rgb(147, 55, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 55, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 55, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 55, 200);  
box-shadow:4px 4px 4px 4px rgb(147, 55,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1056, 0.2566, 0.1412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 55, 200) }
```

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

```
.background{ background-color: rgb(147, 55,  
200) }
```

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