

Converting Colors

$Y_{xy}(13.9938, 0.3250, 0.2503)$

Have a look what the booklet for
Yxy(13.9938, 0.3250, 0.2503)
contains.

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Color

Yxy(13.8856, 0.3253, 0.2502)

Conversions

Conversions Part 1

Format	Color
Hex	8A5784
RGB	138, 87, 132
RGB Percent	54%, 34%, 52%
CMY	0.4588, 0.6588, 0.4823
CMYK	0.00, 0.37, 0.04, 0.46
HSL	307°, 23%, 44%
HSV	307°, 37%, 54%
XYZ	18.0535, 13.8856, 23.5589
YIQ	107.3790, 15.9510, 24.8070

Conversions

Conversions Part 2

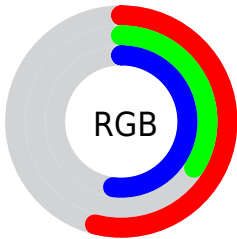
Format	Color
R_{YB}	138, 87, 132
Decimal	9066372
CIE _{Lab}	44.07, 28.50, -16.50
CIE _{LCh}	44, 32.933, 329.929
Yxy	13.8856, 0.3253, 0.2502
Android (android.graphics.Color)	4287256452 (0xFF8A5784)
YUV	107.3790, 12.1382, 26.8546
Hunter-Lab	37.2634, 21.2694, -11.4003

Details

The Yxy color **13.8856, 0.3253, 0.2502** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9921, 0.3023, 0.4232**, and the grayscale version is **14.7764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8862, 0.3228, 0.2682**, and **4.1530, 0.3301, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **11.8171, 0.3295, 0.2299**, and if you desaturate by 10%, it is **16.3832, 0.3214, 0.2716**.

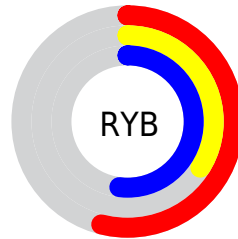
Distribution



Red (54%)

Green (34%)

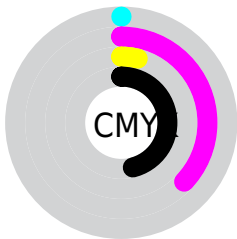
Blue (52%)



Red (54%)

Yellow (34%)

Blue (52%)

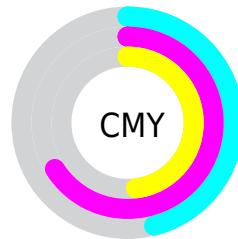


Cyan (0%)

Magenta (37%)

Yellow (4%)

Black (46%)



Cyan (46%)


Magenta (66%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8856, 0.3253, 0.2502 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 13.8856, 0.3253, 0.2502 by changing the saturation by 10% instead.


 13.8856, 0.3253,
0.2502


 13.8856, 0.3253,
0.2502


216.5180, 0.3189,
0.2948


 8.0411, 0.3268,
0.2370


 32.8859, 0.3230,
0.2678


 4.1213, 0.3286,
0.2187


 46.8105, 0.3221,
0.2740


 1.7416, 0.3305,
0.1916

 64.1974, 0.3213,
0.2790

 0.4504, 0.3378,
0.1316

 85.4308, 0.3207,
0.2832

 0.0000, 0.1403,
0.0000

 110.8951, 0.3201,
0.2868

 0.0000, 0.0000,
0.0000

140.9748, 0.3197,

0.2898

176.0543, 0.3192,
0.2925

■ 13.8856, 0.3253,
0.2502

■ 13.8856, 0.3253,
0.2502

■ 11.8171, 0.3295,
0.2299

■ 16.3832, 0.3214,
0.2716

■ 10.1513, 0.3338,
0.2116

■ 19.3306, 0.3179,
0.2932

■ 8.8622, 0.3383,
0.1962

■ 22.7493, 0.3147,
0.3146

■ 7.9194, 0.3427,
0.1843

■ 26.6588, 0.3119,
0.3352

■ 7.2882, 0.3469,
0.1765

■ 31.0776, 0.3094,
0.3547

■ 6.9060, 0.3509,
0.1724

■ 36.0234, 0.3073,
0.3730

■ 6.8024, 0.3521,
0.1714

■ 41.5127, 0.3055,
0.3899

■ 47.5616, 0.3039,
0.4055

■ 54.1853, 0.3026,
0.4198

Harmonies

Analogous

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



13.8856, 0.2596, 0.2271



13.8856, 0.3253, 0.2502



13.8856, 0.3944, 0.2897

Triad

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



13.8856, 0.3253, 0.2502



13.8856, 0.4141, 0.4355



13.8856, 0.1991, 0.2973

Complementary

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



13.8856, 0.3253, 0.2502



20.9921, 0.3023, 0.4232

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.



13.8856, 0.2324, 0.3677



13.8856, 0.3253, 0.2502



13.8856, 0.3557, 0.4556

Square

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



13.8856, 0.3253, 0.2502



13.8856, 0.4471, 0.3908



13.8856, 0.2891, 0.4316



13.8856, 0.1932, 0.2477

Rectangle

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



13.8856, 0.3253, 0.2502



13.8856, 0.4295, 0.3220



13.8856, 0.2891, 0.4316



13.8856, 0.2072, 0.3194

Sweetspot

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



13.8862, 0.3253, 0.2502



37.4163, 0.3160, 0.3055



10.9771, 0.2553, 0.2241



8.2378, 0.3164, 0.3031



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.8862, 0.3253, 0.2502



21.5056, 0.3286, 0.2339



13.2724, 0.3649, 0.2932



5.1190, 0.3154, 0.3099



6.2388, 0.3520, 0.1713



0.0428, 0.3351, 0.1620

Inverse Universe

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



13.8862, 0.3253, 0.2502



21.5056, 0.3286, 0.2339



21.5205, 0.2793, 0.3684



5.1190, 0.3154, 0.3099



6.2388, 0.3520, 0.1713



0.0428, 0.3351, 0.1620

Previews

White Background



This preview shows how the Yxy color 13.8856, 0.3253, 0.2502 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 13.8856, 0.3253, 0.2502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

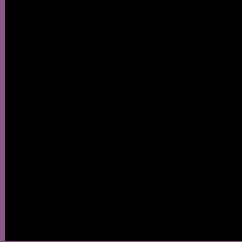
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8856, 0.3253, 0.2502

Background



This preview shows how black text looks on a background with the Yxy color 13.8856, 0.3253, 0.2502.



This preview shows how white text looks on a background with the Yxy color 13.8856, 0.3253, 0.2502.

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

13.8856, 0.3253, 0.2502

Protanopia

13.9894, 0.2525, 0.2471

Deuteranopia

13.9125, 0.2793, 0.2738



Tritanopia

13.8171, 0.3668, 0.3159

Trichromacy



Original Color

13.8856, 0.3253, 0.2502

Protanomaly

13.6940, 0.2752, 0.2460

Deuteranomaly

13.8059, 0.2948, 0.2647

Tritanomaly

13.8029, 0.3501, 0.2901

Monochromacy



Original Color

13.8856, 0.3253, 0.2502

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2268, 0.3171, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8856, 0.3253, 0.2502 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(138, 87, 132)` looks like.

```
.text, #text, p{  
    color:rgb(138, 87, 132)  
}
```

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(138, 87, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 87, 132) }
```

Border

The CSS property to change the border of an element to Yxy 13.8856, 0.3253, 0.2502 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(138, 87, 132) }
```

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

```
.border{ border-color:rgb(138, 87, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 87, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 87, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 87, 132);  
box-shadow:4px 4px 4px 4px rgb(138, 87,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8856, 0.3253, 0.2502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 87, 132) }
```

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

```
.background{ background-color: rgb(138, 87,  
132) }
```

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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