

Converting Colors

$Y_{xy}(10.5025, 0.2496, 0.1285)$

Have a look what the booklet for
Yxy(10.5025, 0.2496, 0.1285)
contains.

Yxy(10.4910, 0.2496, 0.1284)	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(10.4910, 0.2496, 0.1284)

Conversions

Conversions Part 1

Format	Color
Hex	8827C0
RGB	136, 39, 192
RGB Percent	53%, 15%, 75%
CMY	0.4666, 0.8471, 0.2470
CMYK	0.29, 0.80, 0.00, 0.25
HSL	278°, 66%, 45%
HSV	278°, 80%, 75%
XYZ	20.3937, 10.4910, 50.8209
YIQ	85.4450, 8.6990, 68.1470

Conversions

Conversions Part 2

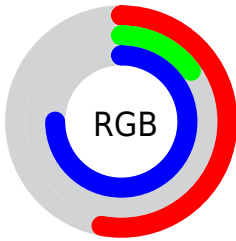
Format	Color
RYB	136, 39, 192
Decimal	8923072
CIELab	38.71, 63.52, -60.81
CIELCh	39, 87.935, 316.246
Yxy	10.4910, 0.2496, 0.1284
Android (android.graphics.Color)	4287113152 (0xFF8827C0)
YUV	85.4450, 52.5316, 44.3367
Hunter-Lab	32.3898, 55.7075, -70.3555

Details

The Yxy color **10.4910, 0.2496, 0.1284** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **40.2798, 0.3295, 0.5545**, and the grayscale version is **9.0688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6746, 0.2676, 0.1640**, and **3.4684, 0.2203, 0.0987** is the 20% darker color. If you saturate the color by 10%, you get **8.9644, 0.2400, 0.1144**, and if you desaturate by 10%, it is **12.6944, 0.2595, 0.1473**.

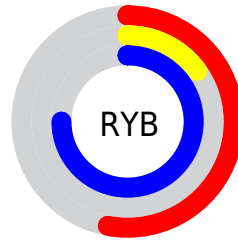
Distribution



Red (53%)

Green (15%)

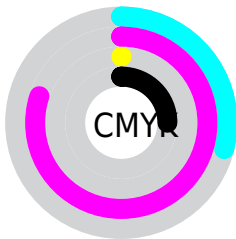
Blue (75%)



Red (53%)

Yellow (15%)

Blue (75%)

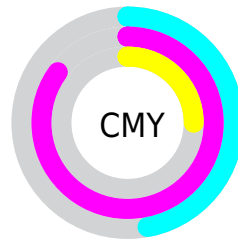


Cyan (29%)

Magenta (80%)

Yellow (0%)

Black (25%)



Cyan (47%)


Magenta (85%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4910, 0.2496, 0.1284 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 10.4910, 0.2496, 0.1284 by changing the saturation by 10% instead.


 10.4910, 0.2496,
0.1284

 10.4910, 0.2496,
0.1284

194.1414, 0.2912,
0.2290


 5.7257, 0.2360,
0.1056


 26.7150, 0.2672,
0.1638


 2.6790, 0.2168,
0.0789


 38.9425, 0.2731,
0.1776


 0.9665, 0.1892,
0.0489

 54.4262, 0.2777,
0.1893

 0.0000, 0.1515,
0.0000

 73.5505, 0.2815,
0.1995

 0.0000, 0.0752,
0.0000

 96.6998, 0.2846,
0.2084

 0.0000, 0.0000,
0.0000

 124.2584, 0.2872,

0.2161

156.6108, 0.2893,
0.2229

■ 10.4910, 0.2496,
0.1284

■ 10.4910, 0.2496,
0.1284

■ 8.9644, 0.2400,
0.1144

■ 12.6944, 0.2595,
0.1473

■ 7.9528, 0.2309,
0.1047

■ 15.6591, 0.2693,
0.1701

■ 7.9239, 0.2306,
0.1044

■ 19.4580, 0.2787,
0.1960

■ 24.1548, 0.2874,
0.2234

■ 29.8072, 0.2952,
0.2513

■ 36.4677, 0.3020,
0.2788

■ 44.1850, 0.3079,
0.3051

■ 53.0046, 0.3129,
0.3297

■ 62.9692, 0.3170,
0.3525

Harmonies

Analogous

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



10.4910, 0.1321, 0.1032



10.4910, 0.2496, 0.1284



10.4910, 0.4459, 0.1856

Triad

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



10.4910, 0.2496, 0.1284



10.4910, 0.5508, 0.4492



10.4910, 0.0732, 0.2912

Complementary

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



10.4910, 0.2496, 0.1284



40.2798, 0.3295, 0.5545

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.



10.4910, 0.1401, 0.5682



10.4910, 0.2496, 0.1284



10.4910, 0.4058, 0.5942

Square

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



10.4910, 0.2496, 0.1284



10.4910, 0.6494, 0.3433



10.4910, 0.2629, 0.7091



10.4910, 0.0599, 0.1541

Rectangle

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



10.4910, 0.2496, 0.1284



10.4910, 0.5776, 0.2360



10.4910, 0.2629, 0.7091



10.4910, 0.0880, 0.3715

Sweetspot

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



10.4914, 0.2496, 0.1284



60.1755, 0.2989, 0.2660



12.4395, 0.1843, 0.1587



12.0010, 0.2964, 0.2561



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.



10.4914, 0.2496, 0.1284



14.8044, 0.2328, 0.1068



15.6210, 0.3483, 0.1821



10.0573, 0.3081, 0.3059



5.3771, 0.2317, 0.1050



0.2703, 0.2519, 0.1161

Inverse Universe

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



13.4839, 0.4891, 0.2689



21.4006, 0.5448, 0.2796



38.4519, 0.2949, 0.5535



10.1375, 0.3233, 0.3206



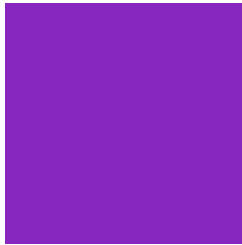
7.8544, 0.5489, 0.2797



0.3527, 0.4872, 0.2457

Previews

White Background



This preview shows how the Yxy color 10.4910, 0.2496, 0.1284 looks on a white background.

Color Contrast Check

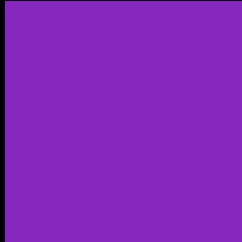
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4910, 0.2496, 0.1284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

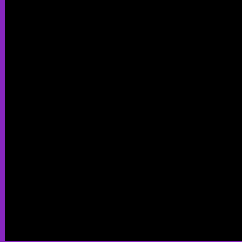
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4910, 0.2496, 0.1284

Background



This preview shows how black text looks on a background with the Yxy color 10.4910, 0.2496, 0.1284.



This preview shows how white text looks on a background with the Yxy color 10.4910, 0.2496, 0.1284.

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

10.4910, 0.2496, 0.1284

Protanopia

10.7326, 0.1749, 0.1497

Deuteranopia

10.6498, 0.1849, 0.1855



Tritanopia

10.5907, 0.3660, 0.3164

Trichromacy



Original Color

10.4910, 0.2496, 0.1284

Protanomaly

8.8336, 0.1797, 0.1249

Deuteranomaly

8.6065, 0.1859, 0.1409

Tritanomaly

9.7628, 0.3163, 0.2179

Monochromacy



Original Color

10.4910, 0.2496, 0.1284

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.5325, 0.2849, 0.2130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4910, 0.2496, 0.1284 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(136, 39, 192)` looks like.

```
.text, #text, p{  
  color:rgb(136, 39, 192)  
}
```

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(136, 39, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 39, 192) }
```

Border

The CSS property to change the border of an element to Yxy 10.4910, 0.2496, 0.1284 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(136, 39, 192) }
```

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

```
.border{ border-color:rgb(136, 39, 192) }
```

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

Here you see how a box with a 4 pixel rgb(136, 39, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 39, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 39, 192);  
box-shadow:4px 4px 4px 4px rgb(136, 39,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4910, 0.2496, 0.1284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 39, 192) }
```

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

```
.background{ background-color: rgb(136, 39,  
192) }
```

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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