

Converting Colors

$Y_{xy}(10.8888, 0.2448, 0.1355)$

Have a look what the booklet for
Yxy(10.8888, 0.2448, 0.1355)
contains.

Yxy(10.9195, 0.2453, 0.1358)	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(10.9195, 0.2453, 0.1358)

Conversions

Conversions Part 1

Format	Color
Hex	8234BE
RGB	130, 52, 190
RGB Percent	51%, 20%, 75%
CMY	0.4902, 0.7960, 0.2550
CMYK	0.32, 0.73, 0.00, 0.26
HSL	274°, 57%, 47%
HSV	274°, 73%, 74%
XYZ	19.7243, 10.9195, 49.7649
YIQ	91.0540, 2.1900, 59.4540

Conversions

Conversions Part 2

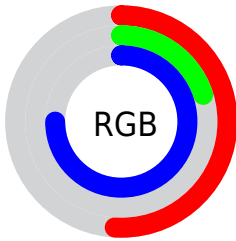
Format	Color
R _Y B	130, 52, 190
Decimal	8533182
CIE Lab	39.44, 57.04, -58.46
CIE LCh	39, 81.678, 314.292
Yxy	10.9195, 0.2453, 0.1358
Android (android.graphics.Color)	4286723262 (0xFF8234BE)
YUV	91.0540, 48.7804, 34.1556
Hunter-Lab	33.0447, 48.7179, -66.1589

Details

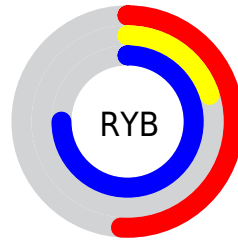
The Yxy color **10.9195, 0.2453, 0.1358** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **40.5062, 0.3386, 0.5335**, and the grayscale version is **10.3638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3833, 0.2633, 0.1703**, and **3.2051, 0.2144, 0.0955** is the 20% darker color. If you saturate the color by 10%, you get **8.9238, 0.2338, 0.1171**, and if you desaturate by 10%, it is **13.6505, 0.2569, 0.1589**.

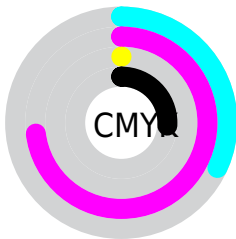
Distribution



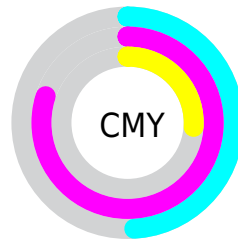
- Red (51%)
- Green (20%)
- Blue (75%)



- Red (51%)
- Yellow (20%)
- Blue (75%)



- Cyan (32%)
- Magenta (73%)
- Yellow (0%)
- Black (26%)





- Cyan (49%)
- Magenta (80%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9195, 0.2453, 0.1358 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 10.9195, 0.2453, 0.1358 by changing the saturation by 10% instead.


 10.9195, 0.2453,
0.1358


 10.9195, 0.2453,
0.1358


 197.1144, 0.2886,
0.2339


 6.0127, 0.2314,
0.1131


 27.5112, 0.2634,
0.1707


 2.8528, 0.2119,
0.0861


 39.9649, 0.2695,
0.1841

 1.0554, 0.1838,
0.0551

 55.7031, 0.2744,
0.1956

 0.0000, 0.1462,
0.0000

 75.1101, 0.2783,
0.2054

 0.0000, 0.0621,
0.0000

 98.5704, 0.2816,
0.2140

 0.0000, 0.0000,
0.0000

 126.4682, 0.2843,

0.2214

159.1881, 0.2867,
0.2280

■ 10.9195, 0.2453,
0.1358

■ 10.9195, 0.2453,
0.1358

■ 8.9238, 0.2338,
0.1171

■ 13.6505, 0.2569,
0.1589

■ 7.5735, 0.2230,
0.1035

■ 17.1900, 0.2683,
0.1853

■ 6.8653, 0.2154,
0.0961

■ 21.6031, 0.2790,
0.2134

■ 26.9479, 0.2887,
0.2422

■ 33.2775, 0.2973,
0.2704

■ 40.6407, 0.3048,
0.2974

■ 49.0830, 0.3112,
0.3227

■ 58.6474, 0.3166,
0.3460

■ 69.3742, 0.3211,
0.3672

Harmonies

Analogous

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



10.9195, 0.1367, 0.1128



10.9195, 0.2453, 0.1358



10.9195, 0.4239, 0.1900

Triad

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



10.9195, 0.2453, 0.1358



10.9195, 0.5535, 0.4465



10.9195, 0.0884, 0.3108

Complementary

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



10.9195, 0.2453, 0.1358



40.5062, 0.3386, 0.5335

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.



10.9195, 0.1612, 0.5613



10.9195, 0.2453, 0.1358



10.9195, 0.4218, 0.5782

Square

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



10.9195, 0.2453, 0.1358



10.9195, 0.6313, 0.3445



10.9195, 0.2833, 0.6754



10.9195, 0.0701, 0.1712

Rectangle

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



10.9195, 0.2453, 0.1358



10.9195, 0.5476, 0.2390



10.9195, 0.2833, 0.6754



10.9195, 0.1054, 0.3871

Sweetspot

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



10.9199, 0.2453, 0.1358



60.6452, 0.2975, 0.2711



16.5043, 0.1987, 0.1959



12.5823, 0.2953, 0.2635



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.



10.9199, 0.2453, 0.1358



14.6275, 0.2274, 0.1085



16.8232, 0.3289, 0.1784



9.4842, 0.3070, 0.3059



4.6138, 0.2167, 0.0968



0.2187, 0.2413, 0.1103

Inverse Universe

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



14.5713, 0.4472, 0.2567



22.3784, 0.4923, 0.2577



37.8589, 0.2995, 0.5501



9.6034, 0.3222, 0.3191



7.7057, 0.5207, 0.2642



0.3150, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 10.9195, 0.2453, 0.1358 looks on a white background.

Color Contrast Check

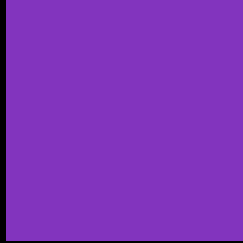
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9195, 0.2453, 0.1358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

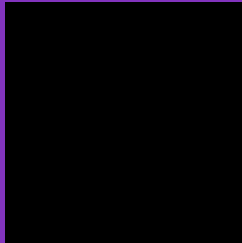
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.9195, 0.2453, 0.1358

Background



This preview shows how black text looks on a background with the Yxy color 10.9195, 0.2453, 0.1358.



This preview shows how white text looks on a background with the Yxy color 10.9195, 0.2453, 0.1358.

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

10.9195, 0.2453, 0.1358

Protanopia

11.0300, 0.1747, 0.1488

Deuteranopia

10.9376, 0.1844, 0.1838



Tritanopia

10.8906, 0.3454, 0.3138

Trichromacy



Original Color

10.9195, 0.2453, 0.1358



Protanomaly

9.4909, 0.1803, 0.1311



Deuteranomaly

9.2914, 0.1866, 0.1481



Tritanomaly

10.3780, 0.3032, 0.2255

Monochromacy



Original Color

10.9195, 0.2453, 0.1358



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

9.8433, 0.2831, 0.2264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9195, 0.2453, 0.1358 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(130, 52, 190)` looks like.

```
.text, #text, p{  
  color:rgb(130, 52, 190)  
}
```

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(130, 52, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 52, 190) }
```

Border

The CSS property to change the border of an element to Yxy 10.9195, 0.2453, 0.1358 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(130, 52, 190) }
```

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

```
.border{ border-color:rgb(130, 52, 190) }
```

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

Here you see how a box with a 4 pixel rgb(130, 52, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 52, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 52, 190);  
box-shadow:4px 4px 4px 4px rgb(130, 52,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9195, 0.2453, 0.1358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 52, 190) }
```

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

```
.background{ background-color: rgb(130, 52,  
190) }
```

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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