

Converting Colors

$Y_{xy}(10.1629, 0.3243, 0.2143)$

Have a look what the booklet for
Yxy(10.1629, 0.3243, 0.2143)
contains.

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Color

Yxy(10.2383, 0.3247, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	854081
RGB	133, 64, 129
RGB Percent	52%, 25%, 51%
CMY	0.4784, 0.7490, 0.4941
CMYK	0.00, 0.52, 0.03, 0.48
HSL	303°, 35%, 39%
HSV	303°, 52%, 52%
XYZ	15.4694, 10.2383, 21.9345
YIQ	92.0410, 20.2590, 34.8430

Conversions

Conversions Part 2

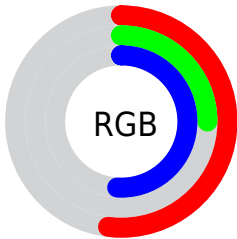
Format	Color
R _Y B	133, 64, 129
Decimal	8732801
CIE Lab	38.27, 39.08, -23.68
CIE LCh	38, 45.696, 328.789
Yxy	10.2383, 0.3247, 0.2149
Android (android.graphics.Color)	4286922881 (0xFF854081)
YUV	92.0410, 18.2208, 35.9210
Hunter-Lab	31.9973, 30.3021, -18.2457

Details

The Yxy color **10.2383, 0.3247, 0.2149** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **18.2824, 0.3021, 0.4784**, and the grayscale version is **10.6665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3302, 0.3236, 0.2413**, and **2.5768, 0.3259, 0.1701** is the 20% darker color. If you saturate the color by 10%, you get **8.8931, 0.3272, 0.1972**, and if you desaturate by 10%, it is **11.9423, 0.3222, 0.2351**.

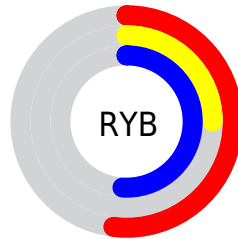
Distribution



Red (52%)

Green (25%)

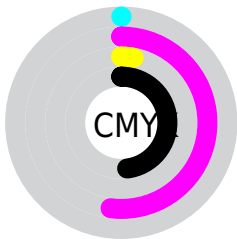
Blue (51%)



Red (52%)

Yellow (25%)

Blue (51%)

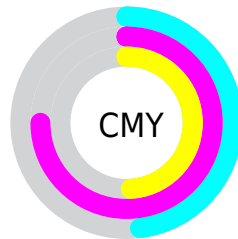


Cyan (0%)

Magenta (52%)

Yellow (3%)

Black (48%)



Cyan (48%)


Magenta (75%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2383, 0.3247, 0.2149 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 10.2383, 0.3247, 0.2149 by changing the saturation by 10% instead.


 10.2383, 0.3247,
0.2149


 10.2383, 0.3247,
0.2149


 192.3645, 0.3195,
0.2800


 5.5572, 0.3252,
0.1956


 26.2428, 0.3232,
0.2407


 2.5778, 0.3250,
0.1691

 38.3350, 0.3225,
0.2497


 0.9155, 0.3223,
0.1308

 53.6663, 0.3219,
0.2571

 0.0000, 0.3351,
0.0000

 72.6213, 0.3213,
0.2632

 0.0000, 0.0000,
0.0000

 95.5841, 0.3208,
0.2684

 122.9394, 0.3203,

0.2728

155.0714, 0.3199,
0.2767

■ 10.2383, 0.3247,
0.2149

■ 10.2383, 0.3247,
0.2149

■ 8.8931, 0.3272,
0.1972

■ 11.9423, 0.3222,
0.2351

■ 7.8795, 0.3297,
0.1828

■ 14.0272, 0.3197,
0.2570

■ 7.1687, 0.3319,
0.1723

■ 16.5146, 0.3173,
0.2798

■ 6.7262, 0.3340,
0.1657

■ 19.4243, 0.3151,
0.3026

■ 6.4754, 0.3355,
0.1622

■ 22.7748, 0.3131,
0.3249

■ 26.5835, 0.3112,
0.3463

■ 30.8669, 0.3096,
0.3665

■ 35.6404, 0.3082,
0.3853

■ 40.9190, 0.3069,
0.4026

Harmonies

Analogous

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



10.2383, 0.2298, 0.1847



10.2383, 0.3247, 0.2149



10.2383, 0.4333, 0.2669

Triad

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



10.2383, 0.3247, 0.2149



10.2383, 0.4565, 0.4743



10.2383, 0.1506, 0.2783

Complementary

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



10.2383, 0.3247, 0.2149



18.2824, 0.3021, 0.4784

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.



10.2383, 0.1942, 0.3920



10.2383, 0.3247, 0.2149



10.2383, 0.3699, 0.5235

Square

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



10.2383, 0.3247, 0.2149



10.2383, 0.5109, 0.4025



10.2383, 0.2742, 0.4993



10.2383, 0.1440, 0.2087

Rectangle

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



10.2383, 0.3247, 0.2149



10.2383, 0.4891, 0.3093



10.2383, 0.2742, 0.4993



10.2383, 0.1607, 0.3123

Sweetspot

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



10.2388, 0.3247, 0.2149



32.3525, 0.3161, 0.2924



6.5696, 0.2214, 0.1729



7.0884, 0.3164, 0.2884



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



10.2388, 0.3247, 0.2149



15.6107, 0.3276, 0.1948



9.4806, 0.3877, 0.2708



4.7583, 0.3145, 0.3088



6.1682, 0.3355, 0.1622



0.0217, 0.3276, 0.1578

Inverse Universe

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



10.2388, 0.3247, 0.2149



15.6107, 0.3276, 0.1948



18.8236, 0.2731, 0.3985



4.7583, 0.3145, 0.3088



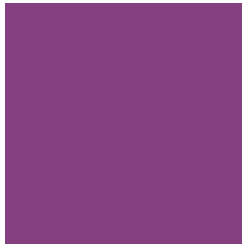
6.1682, 0.3355, 0.1622



0.0217, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 10.2383, 0.3247, 0.2149 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 10.2383, 0.3247, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

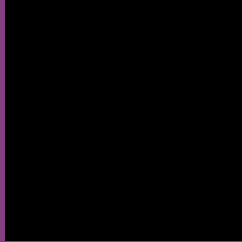
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2383, 0.3247, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 10.2383, 0.3247, 0.2149.



This preview shows how white text looks on a background with the Yxy color 10.2383, 0.3247, 0.2149.

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

10.2383, 0.3247, 0.2149

Protanopia

10.5050, 0.2173, 0.2016

Deuteranopia

10.4985, 0.2538, 0.2498



Tritanopia

10.2750, 0.3983, 0.3192

Trichromacy



Original Color

10.2383, 0.3247, 0.2149

Protanomaly

9.8640, 0.2458, 0.2026

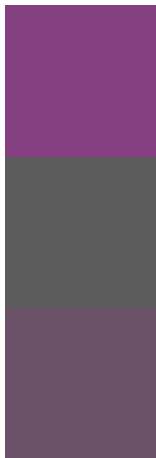
Deuteranomaly

10.0439, 0.2760, 0.2338

Tritanomaly

10.1837, 0.3713, 0.2785

Monochromacy



Original Color

10.2383, 0.3247, 0.2149

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.1803, 0.3184, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2383, 0.3247, 0.2149 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(133, 64, 129)` looks like.

```
.text, #text, p{  
    color:rgb(133, 64, 129)  
}
```

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(133, 64, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 64, 129) }
```

Border

The CSS property to change the border of an element to Yxy 10.2383, 0.3247, 0.2149 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(133, 64, 129) }
```

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

```
.border{ border-color:rgb(133, 64, 129) }
```

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

Here you see how a box with a 4 pixel rgb(133, 64, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 64, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 64, 129);  
box-shadow:4px 4px 4px 4px rgb(133, 64,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2383, 0.3247, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 64, 129) }
```

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

```
.background{ background-color: rgb(133, 64,  
129) }
```

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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