

Converting Colors

$Y_{xy}(10.5564, 0.2415, 0.1720)$

Have a look what the booklet for
Yxy(10.5564, 0.2415, 0.1720)
contains.

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Color

Yxy(10.4850, 0.2415, 0.1715)

Conversions

Conversions Part 1

Format	Color
Hex	684AA3
RGB	104, 74, 163
RGB Percent	41%, 29%, 64%
CMY	0.5923, 0.7097, 0.3609
CMYK	0.36, 0.55, 0.00, 0.36
HSL	260°, 38%, 46%
HSV	260°, 55%, 64%
XYZ	14.7646, 10.4850, 35.8874
YIQ	93.1160, -10.6890, 34.0390

Conversions

Conversions Part 2

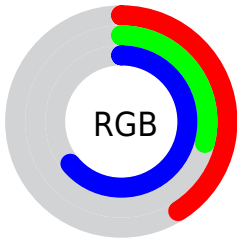
Format	Color
R_{YB}	104, 74, 163
Decimal	6834851
CIE _{Lab}	38.70, 33.01, -43.84
CIE _{LCh}	39, 54.879, 306.975
Yxy	10.4850, 0.2415, 0.1715
Android (android.graphics.Color)	4285024931 (0xFF684AA3)
YUV	93.1160, 34.4528, 9.5453
Hunter-Lab	32.3805, 24.7249, -43.0449

Details

The Yxy color **10.4850, 0.2415, 0.1715** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **31.6719, 0.3583, 0.4726**, and the grayscale version is **10.8951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7989, 0.2597, 0.2041**, and **2.6820, 0.2053, 0.1184** is the 20% darker color. If you saturate the color by 10%, you get **7.9774, 0.2252, 0.1421**, and if you desaturate by 10%, it is **13.6401, 0.2574, 0.2026**.

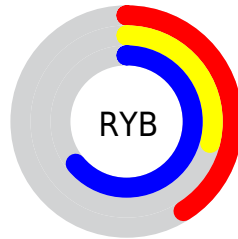
Distribution



Red (41%)

Green (29%)

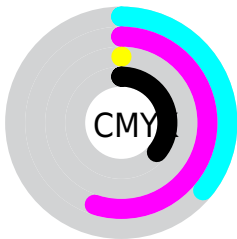
Blue (64%)



Red (41%)

Yellow (29%)

Blue (64%)

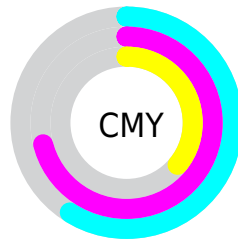


Cyan (36%)

Magenta (55%)

Yellow (0%)

Black (36%)



Cyan (59%)

Magenta (71%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.4850, 0.2415, 0.1715 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 10.4850, 0.2415, 0.1715 by changing the saturation by 10% instead.

■ 10.4850, 0.2415,
0.1715

■ 10.4850, 0.2415,
0.1715

■ 194.0994, 0.2860,
0.2578

■ 5.7217, 0.2269,
0.1485

■ 26.7038, 0.2602,
0.2042

■ 2.6766, 0.2060,
0.1191

■ 38.9281, 0.2664,
0.2162

■ 0.9653, 0.1746,
0.0817

■ 54.4082, 0.2714,
0.2261

■ 0.0000, 0.1292,
0.0000

■ 73.5285, 0.2754,
0.2345

■ 0.0000, 0.0000,
0.0000

■ 96.6734, 0.2788,
0.2416

124.2272, 0.2816,

0.2477

156.5744, 0.2840,
0.2531

■ 10.4850, 0.2415,
0.1715

■ 10.4850, 0.2415,
0.1715

■ 7.9774, 0.2252,
0.1421

■ 13.6401, 0.2574,
0.2026

■ 6.0686, 0.2092,
0.1162

■ 17.4842, 0.2724,
0.2337

■ 4.7044, 0.1945,
0.0953

■ 22.0568, 0.2859,
0.2638

■ 3.8188, 0.1819,
0.0806

■ 27.3939, 0.2979,
0.2921

■ 3.4523, 0.1758,
0.0742

■ 33.5290, 0.3084,
0.3180

■ 40.4936, 0.3174,
0.3414

■ 48.3177, 0.3251,
0.3623

■ 57.0294, 0.3316,
0.3809

■ 66.6560, 0.3371,
0.3974

Harmonies

Analogous

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



10.4850, 0.1638, 0.1585



10.4850, 0.2415, 0.1715



10.4850, 0.3608, 0.2121

Triad

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



10.4850, 0.2415, 0.1715



10.4850, 0.5267, 0.4267



10.4850, 0.1561, 0.3612

Complementary

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



10.4850, 0.2415, 0.1715



31.6719, 0.3583, 0.4726

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.



10.4850, 0.2349, 0.5095



10.4850, 0.2415, 0.1715



10.4850, 0.4464, 0.5118

Square

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



10.4850, 0.2415, 0.1715



10.4850, 0.5496, 0.3467



10.4850, 0.3413, 0.5645



10.4850, 0.1223, 0.2386

Rectangle

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



10.4850, 0.2415, 0.1715



10.4850, 0.4480, 0.2518



10.4850, 0.3413, 0.5645



10.4850, 0.1775, 0.4130

Sweetspot

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



10.4854, 0.2415, 0.1715



47.3343, 0.2960, 0.2874



20.9655, 0.2333, 0.2738



10.1985, 0.2937, 0.2820



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



10.4854, 0.2415, 0.1715



13.2868, 0.2209, 0.1349



13.8544, 0.2985, 0.1942



6.9704, 0.3037, 0.3061



2.7065, 0.1767, 0.0747



0.0820, 0.2188, 0.0979

Inverse Universe

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



14.3793, 0.3631, 0.2397



21.2776, 0.3802, 0.2239



28.7991, 0.3162, 0.4939



7.1614, 0.3186, 0.3142



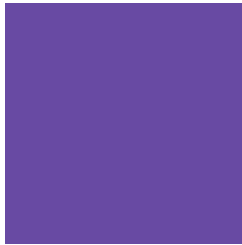
6.9038, 0.4262, 0.2122



0.1533, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 10.4850, 0.2415, 0.1715 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 10.4850, 0.2415, 0.1715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

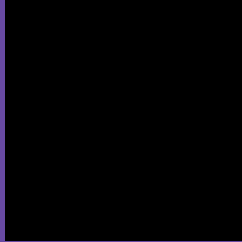
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4850, 0.2415, 0.1715

Background



This preview shows how black text looks on a background with the Yxy color 10.4850, 0.2415, 0.1715.



This preview shows how white text looks on a background with the Yxy color 10.4850, 0.2415, 0.1715.

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

10.4850, 0.2415, 0.1715

Protanopia

10.6059, 0.1855, 0.1596

Deuteranopia

10.5326, 0.1944, 0.1894



Tritanopia

10.5377, 0.3011, 0.3122

Trichromacy



Original Color

10.4850, 0.2415, 0.1715

Protanomaly

10.2278, 0.1982, 0.1606

Deuteranomaly

10.0272, 0.2052, 0.1786

Tritanomaly

10.3350, 0.2759, 0.2483

Monochromacy



Original Color

10.4850, 0.2415, 0.1715

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.5050, 0.2840, 0.2588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4850, 0.2415, 0.1715 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(104, 74, 163)` looks like.

```
.text, #text, p{  
  color:rgb(104, 74, 163)  
}
```

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(104, 74, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 74, 163) }
```

Border

The CSS property to change the border of an element to Yxy 10.4850, 0.2415, 0.1715 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(104, 74, 163) }
```

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

```
.border{ border-color:rgb(104, 74, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 74, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 74, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 74, 163);  
box-shadow:4px 4px 4px 4px rgb(104, 74,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4850, 0.2415, 0.1715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 74, 163) }
```

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

```
.background{ background-color: rgb(104, 74,  
163) }
```

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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