

Converting Colors

$Y_{xy}(10.3391, 0.2366, 0.1548)$

Have a look what the booklet for
Yxy(10.3391, 0.2366, 0.1548)
contains.

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Color

Yxy(10.3395, 0.2363, 0.1547)

Conversions

Conversions Part 1

Format	Color
Hex	6C44AD
RGB	108, 68, 173
RGB Percent	42%, 27%, 68%
CMY	0.5765, 0.7333, 0.3215
CMYK	0.38, 0.61, 0.00, 0.32
HSL	263°, 44%, 47%
HSV	263°, 61%, 68%
XYZ	15.7933, 10.3395, 40.7030
YIQ	91.9300, -9.8650, 41.1350

Conversions

Conversions Part 2

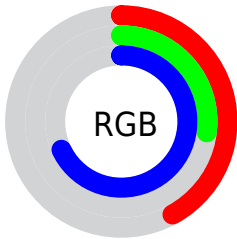
Format	Color
R_{YB}	108, 68, 173
Decimal	7095469
CIE Lab	38.44, 40.21, -50.20
CIE LCh	38, 64.319, 308.690
Yxy	10.3395, 0.2363, 0.1547
Android (android.graphics.Color)	4285285549 (0xFF6C44AD)
YUV	91.9300, 39.9675, 14.0934
Hunter-Lab	32.1551, 31.4007, -52.5427

Details

The Yxy color **10.3395, 0.2363, 0.1547** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **35.2974, 0.3570, 0.4910**, and the grayscale version is **10.5939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4005, 0.2562, 0.1893**, and **2.6133, 0.1986, 0.1016** is the 20% darker color. If you saturate the color by 10%, you get **7.9159, 0.2208, 0.1278**, and if you desaturate by 10%, it is **13.4639, 0.2518, 0.1844**.

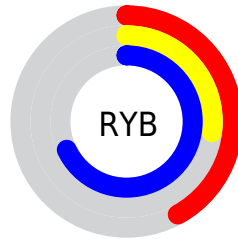
Distribution



Red (42%)

Green (27%)

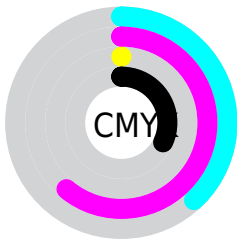
Blue (68%)



Red (42%)

Yellow (27%)

Blue (68%)

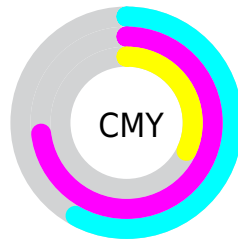


Cyan (38%)

Magenta (61%)

Yellow (0%)

Black (32%)



Cyan (58%)


Magenta (73%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3395, 0.2363, 0.1547 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 10.3395, 0.2363, 0.1547 by changing the saturation by 10% instead.


 10.3395, 0.2363,
0.1547

 10.3395, 0.2363,
0.1547


193.0783, 0.2842,
0.2478


 5.6246, 0.2209,
0.1312


 26.4321, 0.2562,
0.1892

 2.6182, 0.1992,
0.1021

 38.5787, 0.2629,
0.2020


 0.9358, 0.1675,
0.0668

 53.9713, 0.2683,
0.2128

 0.0000, 0.1242,
0.0000

 72.9943, 0.2727,
0.2220

 0.0000, 0.0000,
0.0000

 96.0321, 0.2763,
0.2298

123.4691, 0.2793,

0.2366

155.6897, 0.2819,
0.2425

■ 10.3395, 0.2363,
0.1547

■ 10.3395, 0.2363,
0.1547

■ 7.9159, 0.2208,
0.1278

■ 13.4639, 0.2518,
0.1844

■ 6.1328, 0.2059,
0.1054

■ 17.3400, 0.2665,
0.2152

■ 4.9212, 0.1926,
0.0886

■ 22.0154, 0.2801,
0.2458

■ 4.1712, 0.1819,
0.0776

■ 27.5331, 0.2922,
0.2751

■ 33.9331, 0.3029,
0.3024

■ 41.2527, 0.3121,
0.3274

■ 49.5271, 0.3200,
0.3499

■ 58.7896, 0.3267,
0.3701

■ 69.0719, 0.3323,
0.3881

Harmonies

Analogous

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



10.3395, 0.1489, 0.1387



10.3395, 0.2363, 0.1547



10.3395, 0.3759, 0.1999

Triad

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



10.3395, 0.2363, 0.1547



10.3395, 0.5478, 0.4335



10.3395, 0.1301, 0.3532

Complementary

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



10.3395, 0.2363, 0.1547



35.2974, 0.3570, 0.4910

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.



10.3395, 0.2117, 0.5395



10.3395, 0.2363, 0.1547



10.3395, 0.4512, 0.5389

Square

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



10.3395, 0.2363, 0.1547



10.3395, 0.5856, 0.3444



10.3395, 0.3277, 0.6059



10.3395, 0.0996, 0.2158

Rectangle

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



10.3395, 0.2363, 0.1547



10.3395, 0.4786, 0.2435



10.3395, 0.3277, 0.6059



10.3395, 0.1514, 0.4163

Sweetspot

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



10.3399, 0.2363, 0.1547



51.8829, 0.2949, 0.2817



21.4379, 0.2241, 0.2593



10.6112, 0.2917, 0.2738



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



10.3399, 0.2363, 0.1547



12.9049, 0.2153, 0.1192



14.5246, 0.3007, 0.1827



7.9003, 0.3043, 0.3060



3.0946, 0.1829, 0.0781



0.1180, 0.2199, 0.0985

Inverse Universe

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



14.7149, 0.3793, 0.2371



21.8148, 0.4016, 0.2244



32.1024, 0.3130, 0.5160



8.0956, 0.3193, 0.3151



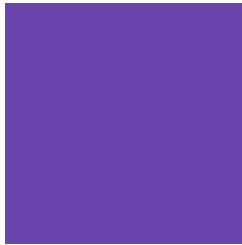
7.3201, 0.4437, 0.2218



0.2139, 0.3978, 0.1965

Previews

White Background



This preview shows how the Yxy color 10.3395, 0.2363, 0.1547 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 10.3395, 0.2363, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

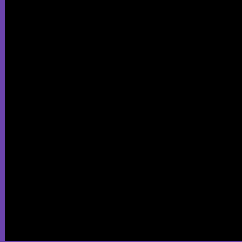
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3395, 0.2363, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 10.3395, 0.2363, 0.1547.



This preview shows how white text looks on a background with the Yxy color 10.3395, 0.2363, 0.1547.

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

10.3395, 0.2363, 0.1547

Protanopia

10.3616, 0.1742, 0.1471

Deuteranopia

10.2986, 0.1837, 0.1812



Tritanopia

10.4507, 0.3056, 0.3123

Trichromacy



Original Color

10.3395, 0.2363, 0.1547

Protanomaly

9.5049, 0.1812, 0.1430

Deuteranomaly

9.4079, 0.1877, 0.1619

Tritanomaly

10.1119, 0.2759, 0.2374

Monochromacy



Original Color

10.3395, 0.2363, 0.1547

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.1637, 0.2812, 0.2468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3395, 0.2363, 0.1547 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(108, 68, 173)` looks like.

```
.text, #text, p{  
    color:rgb(108, 68, 173)  
}
```

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(108, 68, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 68, 173) }
```

Border

The CSS property to change the border of an element to Yxy 10.3395, 0.2363, 0.1547 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(108, 68, 173) }
```

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

```
.border{ border-color:rgb(108, 68, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 68, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 68, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 68, 173);  
box-shadow:4px 4px 4px 4px rgb(108, 68,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3395, 0.2363, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 68, 173) }
```

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

```
.background{ background-color: rgb(108, 68,  
173) }
```

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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