

Converting Colors

$Y_{xy}(13.2701, 0.2402, 0.1692)$

Have a look what the booklet for
Yxy(13.2701, 0.2402, 0.1692)
contains.

Yxy(13.3184, 0.2399, 0.1696)	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(13.3184, 0.2399, 0.1696)

Conversions

Conversions Part 1

Format	Color
Hex	7453B7
RGB	116, 83, 183
RGB Percent	45%, 33%, 72%
CMY	0.5452, 0.6744, 0.2824
CMYK	0.37, 0.55, 0.00, 0.28
HSL	260°, 41%, 52%
HSV	260°, 55%, 72%
XYZ	18.8389, 13.3184, 46.3710
YIQ	104.2670, -12.4320, 38.0960

Conversions

Conversions Part 2

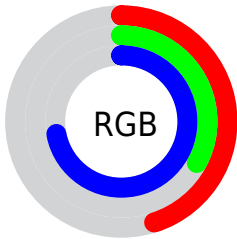
Format	Color
R_{YB}	116, 83, 183
Decimal	7623607
CIE Lab	43.24, 36.18, -48.34
CIE LCh	43, 60.380, 306.818
Yxy	13.3184, 0.2399, 0.1696
Android (android.graphics.Color)	4285813687 (0xFF7453B7)
YUV	104.2670, 38.8154, 10.2898
Hunter-Lab	36.4944, 28.2792, -49.7898

Details

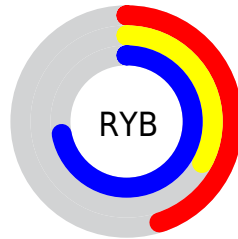
The Yxy color **13.3184, 0.2399, 0.1696** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **40.9743, 0.3592, 0.4736**, and the grayscale version is **13.8154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9994, 0.2574, 0.2006**, and **3.8709, 0.2081, 0.1224** is the 20% darker color. If you saturate the color by 10%, you get **10.0924, 0.2233, 0.1400**, and if you desaturate by 10%, it is **17.3953, 0.2561, 0.2010**.

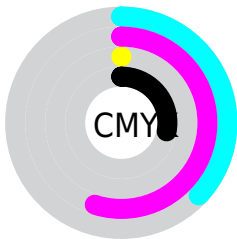
Distribution



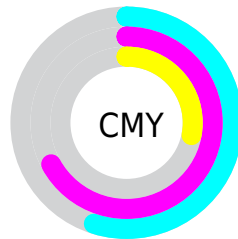
- Red (45%)
- Green (33%)
- Blue (72%)



- Red (45%)
- Yellow (33%)
- Blue (72%)



- Cyan (37%)
- Magenta (55%)
- Yellow (0%)
- Black (28%)





- Cyan (55%)
- Magenta (67%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3184, 0.2399, 0.1696 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 13.3184, 0.2399, 0.1696 by changing the saturation by 10% instead.


 13.3184, 0.2399,
0.1696


 13.3184, 0.2399,
0.1696


212.9483, 0.2839,
0.2535


 7.6482, 0.2264,
0.1485


 31.8746, 0.2578,
0.2005


 3.8707, 0.2077,
0.1221


 45.5294, 0.2639,
0.2120

 1.6015, 0.1808,
0.0892

 62.6145, 0.2689,
0.2218

 0.3586, 0.1426,
0.0398

 83.5143, 0.2730,
0.2300

 0.0000, 0.0454,
0.0000

 108.6132, 0.2764,
0.2371

 0.0000, 0.0000,
0.0000

138.2955, 0.2793,

0.2433

172.9458, 0.2818,
0.2487

■ 13.3184, 0.2399,
0.1696

■ 13.3184, 0.2399,
0.1696

■ 10.0924, 0.2233,
0.1400

■ 17.3953, 0.2561,
0.2010

■ 7.6520, 0.2072,
0.1141

■ 22.3787, 0.2714,
0.2325

■ 5.9244, 0.1924,
0.0934

■ 28.3212, 0.2853,
0.2630

■ 4.8216, 0.1799,
0.0791

■ 35.2708, 0.2976,
0.2916

■ 4.3891, 0.1741,
0.0733

■ 43.2722, 0.3083,
0.3177

■ 52.3674, 0.3175,
0.3414

■ 62.5961, 0.3253,
0.3625

■ 73.9960, 0.3320,
0.3812

■ 86.6031, 0.3376,
0.3977

Harmonies

Analogous

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



13.3184, 0.1618, 0.1566



13.3184, 0.2399, 0.1696



13.3184, 0.3607, 0.2103

Triad

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



13.3184, 0.2399, 0.1696



13.3184, 0.5294, 0.4264



13.3184, 0.1543, 0.3623

Complementary

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



13.3184, 0.2399, 0.1696



40.9743, 0.3592, 0.4736

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.



13.3184, 0.2340, 0.5135



13.3184, 0.2399, 0.1696



13.3184, 0.4477, 0.5130

Square

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



13.3184, 0.2399, 0.1696



13.3184, 0.5529, 0.3458



13.3184, 0.3414, 0.5682



13.3184, 0.1203, 0.2375

Rectangle

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



13.3184, 0.2399, 0.1696



13.3184, 0.4494, 0.2503



13.3184, 0.3414, 0.5682



13.3184, 0.1759, 0.4151

Sweetspot

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



13.3189, 0.2399, 0.1696



61.0195, 0.2957, 0.2871



27.4983, 0.2333, 0.2761



12.8945, 0.2932, 0.2813



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.3189, 0.2399, 0.1696



16.8771, 0.2192, 0.1332



17.5707, 0.2963, 0.1922



8.8594, 0.3034, 0.3057



3.0961, 0.1752, 0.0739



0.1437, 0.2060, 0.0909

Inverse Universe

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



18.4583, 0.3628, 0.2381



27.3868, 0.3793, 0.2224



37.2738, 0.3174, 0.4950



9.1110, 0.3186, 0.3138



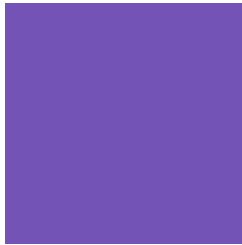
8.0282, 0.4243, 0.2111



0.2939, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 13.3184, 0.2399, 0.1696 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 13.3184, 0.2399, 0.1696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

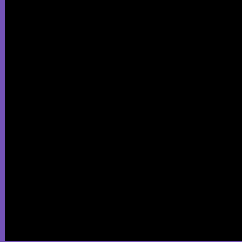
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3184, 0.2399, 0.1696

Background



This preview shows how black text looks on a background with the Yxy color 13.3184, 0.2399, 0.1696.



This preview shows how white text looks on a background with the Yxy color 13.3184, 0.2399, 0.1696.

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

13.3184, 0.2399, 0.1696

Protanopia

13.5186, 0.1845, 0.1590

Deuteranopia

13.5866, 0.1933, 0.1886



Tritanopia

13.3379, 0.2995, 0.3116

Trichromacy



Original Color

13.3184, 0.2399, 0.1696

Protanomaly

12.9079, 0.1967, 0.1595

Deuteranomaly

12.8543, 0.2033, 0.1774

Tritanomaly

13.0547, 0.2744, 0.2462

Monochromacy



Original Color

13.3184, 0.2399, 0.1696

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.2473, 0.2817, 0.2556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3184, 0.2399, 0.1696 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(116, 83, 183)` looks like.

```
.text, #text, p{  
    color:rgb(116, 83, 183)  
}
```

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(116, 83, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 83, 183) }
```

Border

The CSS property to change the border of an element to Yxy 13.3184, 0.2399, 0.1696 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(116, 83, 183) }
```

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

```
.border{ border-color:rgb(116, 83, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 83, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 83, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 83, 183); box-shadow:4px 4px 4px 4px rgb(116, 83, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3184, 0.2399, 0.1696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 83, 183) }
```

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

```
.background{ background-color: rgb(116, 83,  
183) }
```

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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