

Converting Colors

$Y_{xy}(13.6102, 0.2595, 0.1891)$

Have a look what the booklet for
Yxy(13.6102, 0.2595, 0.1891)
contains.

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Color

Yxy(13.6102, 0.2595, 0.1891)

Conversions

Conversions Part 1

Format	Color
Hex	7B55AA
RGB	123, 85, 170
RGB Percent	48%, 33%, 67%
CMY	0.5175, 0.6667, 0.3332
CMYK	0.28, 0.50, 0.00, 0.33
HSL	267°, 33%, 50%
HSV	267°, 50%, 67%
XYZ	18.6771, 13.6102, 39.6862
YIQ	106.0520, -4.6370, 34.4910

Conversions

Conversions Part 2

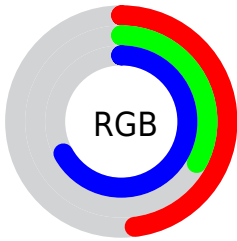
Format	Color
R_{YB}	123, 85, 170
Decimal	8082858
CIE _{Lab}	43.67, 33.50, -39.99
CIE _{LCh}	44, 52.163, 309.952
Yxy	13.6102, 0.2595, 0.1891
Android (android.graphics.Color)	4286272938 (0xFF7B55AA)
YUV	106.0520, 31.5264, 14.8634
Hunter-Lab	36.8920, 25.8073, -37.9562

Details

The Yxy color **13.6102, 0.2595, 0.1891** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **34.3197, 0.3463, 0.4655**, and the grayscale version is **14.3414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5643, 0.2735, 0.2178**, and **4.0102, 0.2341, 0.1444** is the 20% darker color. If you saturate the color by 10%, you get **10.5879, 0.2456, 0.1603**, and if you desaturate by 10%, it is **17.3432, 0.2727, 0.2190**.

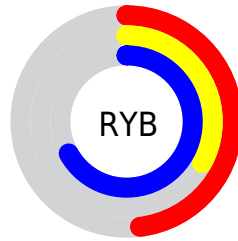
Distribution



Red (48%)

Green (33%)

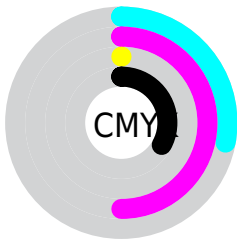
Blue (67%)



Red (48%)

Yellow (33%)

Blue (67%)

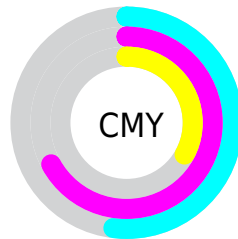


Cyan (28%)

Magenta (50%)

Yellow (0%)

Black (33%)



Cyan (52%)


Magenta (67%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6102, 0.2595, 0.1891 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 13.6102, 0.2595, 0.1891 by changing the saturation by 10% instead.


 13.6102, 0.2595,
0.1891


 13.6102, 0.2595,
0.1891


214.7922, 0.2924,
0.2643


 7.8501, 0.2489,
0.1693


 32.3958, 0.2732,
0.2174


 3.9992, 0.2336,
0.1437


 46.1900, 0.2778,
0.2278


 1.6731, 0.2106,
0.1103

 63.4310, 0.2815,
0.2364

 0.4061, 0.1758,
0.0567

 84.5033, 0.2845,
0.2437

 0.0000, 0.0577,
0.0000

 109.7911, 0.2869,
0.2500

 0.0000, 0.0000,
0.0000

139.6789, 0.2890,

0.2554

174.5512, 0.2908,
0.2601

■ 13.6102, 0.2595,
0.1891

■ 13.6102, 0.2595,
0.1891

■ 10.5879, 0.2456,
0.1603

■ 17.3432, 0.2727,
0.2190

■ 8.2261, 0.2313,
0.1342

■ 21.8294, 0.2847,
0.2488

■ 6.4701, 0.2174,
0.1123

■ 27.1096, 0.2953,
0.2774

■ 5.2553, 0.2046,
0.0956

■ 33.2213, 0.3047,
0.3042

■ 4.4422, 0.1931,
0.0837

■ 40.1993, 0.3127,
0.3290

■ 48.0767, 0.3195,
0.3514

■ 56.8846, 0.3253,
0.3716

■ 66.6528, 0.3301,
0.3897

■ 77.4095, 0.3341,
0.4058

Harmonies

Analogous

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



13.6102, 0.1841, 0.1747



13.6102, 0.2595, 0.1891



13.6102, 0.3674, 0.2291

Triad

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



13.6102, 0.2595, 0.1891



13.6102, 0.5014, 0.4312



13.6102, 0.1687, 0.3463

Complementary

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



13.6102, 0.2595, 0.1891



34.3197, 0.3463, 0.4655

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.



13.6102, 0.2380, 0.4721



13.6102, 0.2595, 0.1891



13.6102, 0.4290, 0.5024

Square

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



13.6102, 0.2595, 0.1891



13.6102, 0.5236, 0.3571



13.6102, 0.3337, 0.5336



13.6102, 0.1393, 0.2434

Rectangle

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



13.6102, 0.2595, 0.1891



13.6102, 0.4417, 0.2671



13.6102, 0.3337, 0.5336



13.6102, 0.1874, 0.3893

Sweetspot

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



13.6107, 0.2595, 0.1891



54.2384, 0.2999, 0.2904



21.6570, 0.2360, 0.2632



11.5982, 0.2980, 0.2848



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.



13.6107, 0.2595, 0.1891



18.6898, 0.2440, 0.1574



17.3285, 0.3110, 0.2082



7.4586, 0.3053, 0.3061



3.2987, 0.1942, 0.0844



0.1108, 0.2338, 0.1061

Inverse Universe

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



16.7092, 0.3721, 0.2591



25.2270, 0.3920, 0.2462



31.6220, 0.3097, 0.4824



7.6091, 0.3203, 0.3166



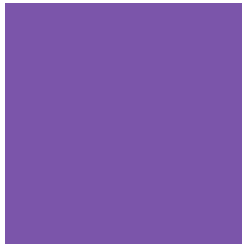
6.8918, 0.4704, 0.2365



0.1778, 0.4091, 0.2027

Previews

White Background



This preview shows how the Yxy color 13.6102, 0.2595, 0.1891 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 13.6102, 0.2595, 0.1891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

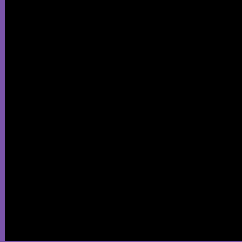
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6102, 0.2595, 0.1891

Background



This preview shows how black text looks on a background with the Yxy color 13.6102, 0.2595, 0.1891.



This preview shows how white text looks on a background with the Yxy color 13.6102, 0.2595, 0.1891.

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

13.6102, 0.2595, 0.1891

Protanopia

13.8669, 0.2006, 0.1799

Deuteranopia

13.8471, 0.2144, 0.2098



Tritanopia

13.6418, 0.3193, 0.3124

Trichromacy



Original Color

13.6102, 0.2595, 0.1891

Protanomaly

13.4110, 0.2161, 0.1802

Deuteranomaly

13.3656, 0.2270, 0.1998

Tritanomaly

13.5361, 0.2948, 0.2593

Monochromacy



Original Color

13.6102, 0.2595, 0.1891

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.7651, 0.2920, 0.2677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6102, 0.2595, 0.1891 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(123, 85, 170)` looks like.

```
.text, #text, p{  
    color:rgb(123, 85, 170)  
}
```

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(123, 85, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 85, 170) }
```

Border

The CSS property to change the border of an element to Yxy 13.6102, 0.2595, 0.1891 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(123, 85, 170) }
```

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

```
.border{ border-color:rgb(123, 85, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 85, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 85, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 85, 170);  
box-shadow:4px 4px 4px 4px rgb(123, 85,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6102, 0.2595, 0.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 85, 170) }
```

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

```
.background{ background-color: rgb(123, 85,  
170) }
```

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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