

Converting Colors

$Y_{xy}(13.2045, 0.2597, 0.1644)$

Have a look what the booklet for
Yxy(13.2045, 0.2597, 0.1644)
contains.

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Color

Yxy(13.2045, 0.2597, 0.1644)

Conversions

Conversions Part 1

Format	Color
Hex	8748B7
RGB	135, 72, 183
RGB Percent	53%, 28%, 72%
CMY	0.4705, 0.7177, 0.2823
CMYK	0.26, 0.61, 0.00, 0.28
HSL	274°, 44%, 50%
HSV	274°, 61%, 72%
XYZ	20.8589, 13.2045, 46.2559
YIQ	103.4910, 1.9170, 47.8770

Conversions

Conversions Part 2

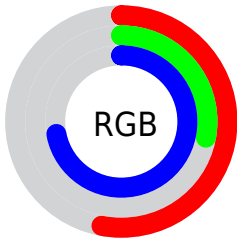
Format	Color
RYB	135, 72, 183
Decimal	8865975
CIELab	43.07, 46.98, -48.50
CIElCh	43, 67.527, 314.087
Yxy	13.2045, 0.2597, 0.1644
Android (android.graphics.Color)	4287056055 (0xFF8748B7)
YUV	103.4910, 39.1979, 27.6334
Hunter-Lab	36.3380, 38.8720, -50.0357

Details

The Yxy color **13.2045, 0.2597, 0.1644** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **38.3322, 0.3386, 0.5021**, and the grayscale version is **13.5939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7829, 0.2735, 0.1957**, and **3.8346, 0.2337, 0.1178** is the 20% darker color. If you saturate the color by 10%, you get **10.5488, 0.2482, 0.1406**, and if you desaturate by 10%, it is **16.6141, 0.2708, 0.1911**.

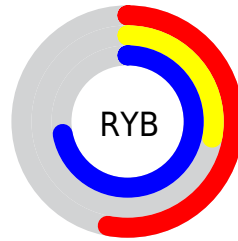
Distribution



Red (53%)

Green (28%)

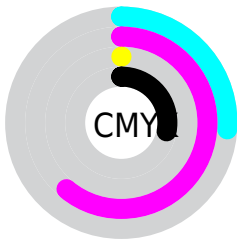
Blue (72%)



Red (53%)

Yellow (28%)

Blue (72%)

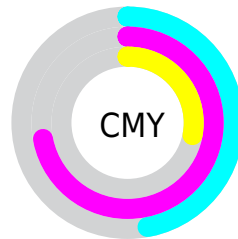


Cyan (26%)

Magenta (61%)

Yellow (0%)

Black (28%)



Cyan (47%)


Magenta (72%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2045, 0.2597, 0.1644 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 13.2045, 0.2597, 0.1644 by changing the saturation by 10% instead.


 13.2045, 0.2597,
0.1644


 13.2045, 0.2597,
0.1644

212.2242, 0.2934,
0.2498


 7.5695, 0.2487,
0.1434


 31.6707, 0.2738,
0.1956


 3.8208, 0.2331,
0.1172


 45.2707, 0.2785,
0.2073


 1.5738, 0.2100,
0.0850

 62.2945, 0.2823,
0.2172

 0.3398, 0.1760,
0.0365

 83.1265, 0.2854,
0.2256

 0.0000, 0.1042,
0.0000

 108.1510, 0.2879,
0.2329

 0.0000, 0.0000,
0.0000

137.7526, 0.2900,

0.2393

172.3155, 0.2918,
0.2448

■ 13.2045, 0.2597,
0.1644

■ 13.2045, 0.2597,
0.1644

■ 10.5488, 0.2482,
0.1406

■ 16.6141, 0.2708,
0.1911

■ 8.5799, 0.2367,
0.1209

■ 20.8338, 0.2812,
0.2194

■ 7.2207, 0.2258,
0.1063

■ 25.9162, 0.2907,
0.2480

■ 6.3561, 0.2162,
0.0965

■ 31.9086, 0.2990,
0.2760

■ 38.8552, 0.3062,
0.3026

■ 46.7968, 0.3123,
0.3274

■ 55.7722, 0.3175,
0.3502

■ 65.8179, 0.3218,
0.3710

■ 76.9686, 0.3254,
0.3897

Harmonies

Analogous

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



13.2045, 0.1644, 0.1433



13.2045, 0.2597, 0.1644



13.2045, 0.4018, 0.2139

Triad

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



13.2045, 0.2597, 0.1644



13.2045, 0.5279, 0.4499



13.2045, 0.1258, 0.3231

Complementary

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



13.2045, 0.2597, 0.1644



38.3322, 0.3386, 0.5021

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.



13.2045, 0.1975, 0.5027



13.2045, 0.2597, 0.1644



13.2045, 0.4265, 0.5481

Square

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



13.2045, 0.2597, 0.1644



13.2045, 0.5781, 0.3605



13.2045, 0.3083, 0.5981



13.2045, 0.1029, 0.2040

Rectangle

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



13.2045, 0.2597, 0.1644



13.2045, 0.4974, 0.2588



13.2045, 0.3083, 0.5981



13.2045, 0.1438, 0.3804

Sweetspot

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



13.2050, 0.2597, 0.1644



59.9261, 0.3008, 0.2824



18.2537, 0.2147, 0.2184



12.4827, 0.2986, 0.2745



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.



13.2050, 0.2597, 0.1644



17.5071, 0.2441, 0.1331



17.8214, 0.3286, 0.1975



8.9642, 0.3071, 0.3060



4.4746, 0.2174, 0.0971



0.1936, 0.2438, 0.1117

Inverse Universe

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



16.0580, 0.4149, 0.2640



23.5609, 0.4518, 0.2568



35.8198, 0.2999, 0.5108



9.0750, 0.3222, 0.3192



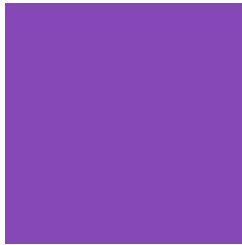
7.4313, 0.5214, 0.2646



0.2744, 0.4570, 0.2291

Previews

White Background



This preview shows how the Yxy color 13.2045, 0.2597, 0.1644 looks on a white background.

Color Contrast Check

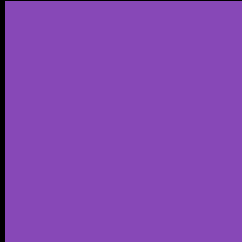
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2045, 0.2597, 0.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

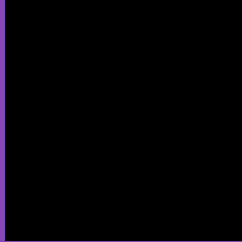
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2045, 0.2597, 0.1644

Background



This preview shows how black text looks on a background with the Yxy color 13.2045, 0.2597, 0.1644.



This preview shows how white text looks on a background with the Yxy color 13.2045, 0.2597, 0.1644.

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

13.2045, 0.2597, 0.1644

Protanopia

13.3388, 0.1739, 0.1461

Deuteranopia

13.3884, 0.1952, 0.1896



Tritanopia

13.2087, 0.3427, 0.3149

Trichromacy



Original Color

13.2045, 0.2597, 0.1644



Protanomaly

11.9679, 0.1831, 0.1435



Deuteranomaly

12.4455, 0.2086, 0.1737



Tritanomaly

12.8907, 0.3091, 0.2474

Monochromacy



Original Color

13.2045, 0.2597, 0.1644



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.9651, 0.2921, 0.2514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2045, 0.2597, 0.1644 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(135, 72, 183)` looks like.

```
.text, #text, p{  
    color:rgb(135, 72, 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(135, 72, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 72, 183) }
```

Border

The CSS property to change the border of an element to Yxy 13.2045, 0.2597, 0.1644 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(135, 72, 183) }
```

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

```
.border{ border-color:rgb(135, 72, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 72, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 72, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 72, 183);  
box-shadow:4px 4px 4px 4px rgb(135, 72,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2045, 0.2597, 0.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 72, 183) }
```

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

```
.background{ background-color: rgb(135, 72,  
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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