

Converting Colors

$Y_{xy}(13.9102, 0.2318, 0.1912)$

Have a look what the booklet for
Yxy(13.9102, 0.2318, 0.1912)
contains.

Yxy(13.8371, 0.2315, 0.1910)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8371, 0.2315, 0.1910)

Conversions

Conversions Part 1

Format	Color
Hex	625FAE
RGB	98, 95, 174
RGB Percent	38%, 37%, 68%
CMY	0.6156, 0.6275, 0.3176
CMYK	0.44, 0.45, 0.00, 0.32
HSL	242°, 33%, 53%
HSV	242°, 45%, 68%
XYZ	16.7711, 13.8371, 41.8373
YIQ	104.9030, -23.5710, 25.2050

Conversions

Conversions Part 2

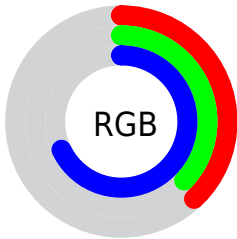
Format	Color
RYB	98, 95, 174
Decimal	6447022
CIELab	44.00, 21.83, -41.95
CIELCh	44, 47.294, 297.488
Yxy	13.8371, 0.2315, 0.1910
Android (android.graphics.Color)	4284637102 (0xFF625FAE)
YUV	104.9030, 34.0648, -6.0539
Hunter-Lab	37.1983, 15.3813, -40.6454

Details

The Yxy color **13.8371, 0.2315, 0.1910** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **39.7599, 0.3758, 0.4395**, and the grayscale version is **14.0108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6394, 0.2504, 0.2188**, and **4.1126, 0.1975, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **10.2095, 0.2108, 0.1564**, and if you desaturate by 10%, it is **18.3605, 0.2521, 0.2256**.

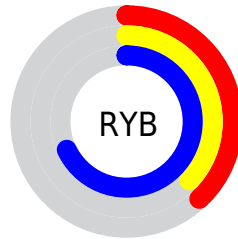
Distribution



Red (38%)

Green (37%)

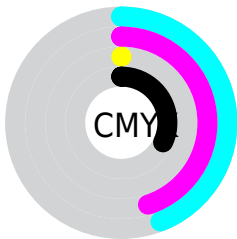
Blue (68%)



Red (38%)

Yellow (37%)

Blue (68%)

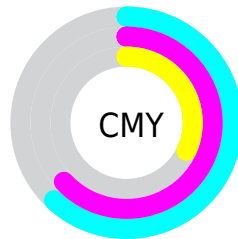


Cyan (44%)

Magenta (45%)

Yellow (0%)

Black (32%)



Cyan (62%)

Magenta (63%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8371, 0.2315, 0.1910 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 13.8371, 0.2315, 0.1910 by changing the saturation by 10% instead.

■ 13.8371, 0.2315,
0.1910

■ 13.8371, 0.2315,
0.1910

■ 216.2151, 0.2793,
0.2660

■ 8.0075, 0.2171,
0.1710

■ 32.7997, 0.2507,
0.2194

■ 4.0997, 0.1973,
0.1452

■ 46.7015, 0.2574,
0.2298

■ 1.7295, 0.1689,
0.1113

■ 64.0627, 0.2628,
0.2384

■ 0.4426, 0.1282,
0.0592

■ 85.2678, 0.2672,
0.2456

■ 0.0000, 0.0000,
0.0000

■ 110.7012, 0.2710,
0.2519

■ 140.7473, 0.2742,

0.2572

175.7904, 0.2769,
0.2619

■ 13.8371, 0.2315,
0.1910

■ 13.8371, 0.2315,
0.1910

■ 10.2095, 0.2108,
0.1564

■ 18.3605, 0.2521,
0.2256

■ 7.4167, 0.1912,
0.1242

■ 23.8323, 0.2715,
0.2585

■ 5.3928, 0.1743,
0.0969

■ 30.3026, 0.2892,
0.2887

■ 4.0610, 0.1616,
0.0766

■ 37.8177, 0.3050,
0.3157

■ 3.3260, 0.1536,
0.0646

■ 46.4210, 0.3188,
0.3395

■ 3.0994, 0.1513,
0.0607

■ 56.1533, 0.3308,
0.3602

■ 67.0536, 0.3410,
0.3781

■ 79.1586, 0.3498,
0.3935

■ 92.5038, 0.3574,
0.4068

Harmonies

Analogous

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



13.8371, 0.1753, 0.1889



13.8371, 0.2315, 0.1910



13.8371, 0.3201, 0.2190

Triad

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



13.8371, 0.2315, 0.1910



13.8371, 0.5013, 0.3981



13.8371, 0.2040, 0.3931

Complementary

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



13.8371, 0.2315, 0.1910



39.7599, 0.3758, 0.4395

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.



13.8371, 0.2816, 0.4896



13.8371, 0.2315, 0.1910



13.8371, 0.4532, 0.4655

Square

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



13.8371, 0.2315, 0.1910



13.8371, 0.4930, 0.3304



13.8371, 0.3725, 0.5107



13.8371, 0.1600, 0.2863

Rectangle

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



13.8371, 0.2315, 0.1910



13.8371, 0.3888, 0.2499



13.8371, 0.3725, 0.5107



13.8371, 0.2268, 0.4304

Sweetspot

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



13.8376, 0.2315, 0.1910



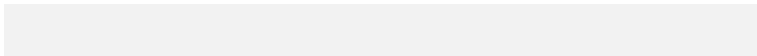
56.4412, 0.2912, 0.2920



34.7581, 0.2521, 0.3246



11.9464, 0.2876, 0.2859



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.8376, 0.2315, 0.1910



18.7805, 0.2117, 0.1580



16.5700, 0.2734, 0.2053



7.7713, 0.2991, 0.3056



2.2537, 0.1515, 0.0608



0.0673, 0.1581, 0.0644

Inverse Universe

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



20.1236, 0.3214, 0.2238



31.5916, 0.3234, 0.2048



35.9980, 0.3377, 0.4553



8.1427, 0.3143, 0.3075



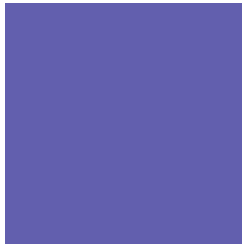
8.5618, 0.3305, 0.1595



0.2398, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 13.8371, 0.2315, 0.1910 looks on a white background.

Color Contrast Check

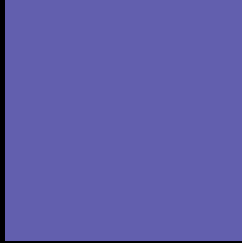
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8371, 0.2315, 0.1910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

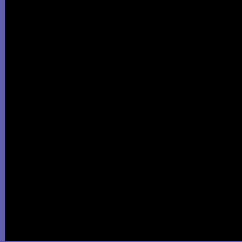
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8371, 0.2315, 0.1910

Background



This preview shows how black text looks on a background with the Yxy color 13.8371, 0.2315, 0.1910.



This preview shows how white text looks on a background with the Yxy color 13.8371, 0.2315, 0.1910.

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

13.8371, 0.2315, 0.1910

Protanopia

13.8679, 0.2066, 0.1867

Deuteranopia

14.0424, 0.2070, 0.2024



Tritanopia

13.8485, 0.2707, 0.3088

Trichromacy



Original Color

13.8371, 0.2315, 0.1910

Protanomaly

13.8435, 0.2147, 0.1881

Deuteranomaly

13.7803, 0.2140, 0.1963

Tritanomaly

13.6102, 0.2538, 0.2566

Monochromacy



Original Color

13.8371, 0.2315, 0.1910

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.7438, 0.2781, 0.2698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8371, 0.2315, 0.1910 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(98, 95, 174)` looks like.

```
.text, #text, p{  
    color:rgb(98, 95, 174)  
}
```

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(98, 95, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 95, 174) }
```

Border

The CSS property to change the border of an element to Yxy 13.8371, 0.2315, 0.1910 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(98, 95, 174) }
```

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

```
.border{ border-color:rgb(98, 95, 174) }
```

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

Here you see how a box with a 4 pixel rgb(98, 95, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 95, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 95, 174);  
box-shadow:4px 4px 4px 4px rgb(98, 95,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8371, 0.2315, 0.1910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 95, 174) }
```

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

```
.background{ background-color: rgb(98, 95,  
174) }
```

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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