

Converting Colors

$Y_{xy}(13.1433, 0.2549, 0.2266)$

Have a look what the booklet for
Yxy(13.1433, 0.2549, 0.2266)
contains.

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Color

Yxy(13.2450, 0.2549, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	646095
RGB	100, 96, 149
RGB Percent	39%, 38%, 58%
CMY	0.6077, 0.6236, 0.4156
CMYK	0.33, 0.36, 0.00, 0.42
HSL	245°, 22%, 48%
HSV	245°, 36%, 58%
XYZ	14.8664, 13.2450, 30.2110
YIQ	103.2380, -14.6290, 17.3310

Conversions

Conversions Part 2

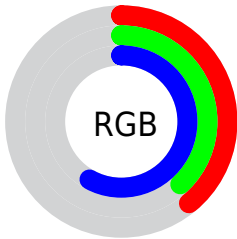
Format	Color
R_{YB}	100, 96, 149
Decimal	6578325
CIE _{Lab}	43.13, 14.53, -28.50
CIE _{LCh}	43, 31.986, 297.008
Yxy	13.2450, 0.2549, 0.2271
Android (android.graphics.Color)	4284768405 (0xFF646095)
YUV	103.2380, 22.5607, -2.8397
Hunter-Lab	36.3937, 9.2261, -23.7420

Details

The Yxy color **13.2450, 0.2549, 0.2271** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3595, 0.3600, 0.4162**, and the grayscale version is **13.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5450, 0.2692, 0.2497**, and **3.8412, 0.2268, 0.1869** is the 20% darker color. If you saturate the color by 10%, you get **10.0596, 0.2352, 0.1933**, and if you desaturate by 10%, it is **17.0794, 0.2734, 0.2593**.

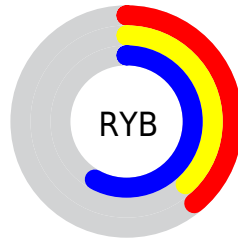
Distribution



Red (39%)

Green (38%)

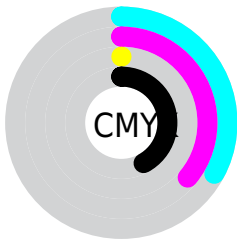
Blue (58%)



Red (39%)

Yellow (38%)

Blue (58%)

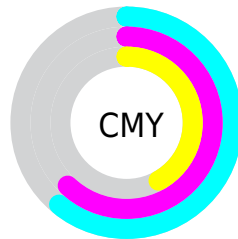


Cyan (33%)

Magenta (36%)

Yellow (0%)

Black (42%)



Cyan (61%)

Magenta (62%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2450, 0.2549, 0.2271 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 13.2450, 0.2549, 0.2271 by changing the saturation by 10% instead.

■ 13.2450, 0.2549,
0.2271

■ 13.2450, 0.2549,
0.2271

■ 212.4819, 0.2897,
0.2850

■ 7.5975, 0.2437,
0.2101

■ 31.7432, 0.2692,
0.2500

■ 3.8385, 0.2276,
0.1869

■ 45.3627, 0.2741,
0.2580

■ 1.5836, 0.2027,
0.1535

■ 62.4084, 0.2780,
0.2645

■ 0.3465, 0.1631,
0.0826

■ 83.2645, 0.2812,
0.2700

■ 0.0000, 0.0000,
0.0000

■ 108.3155, 0.2838,
0.2746

■ 137.9458, 0.2861,

0.2786

172.5398, 0.2880,
0.2820

■ 13.2450, 0.2549,
0.2271

■ 13.2450, 0.2549,
0.2271

■ 10.0596, 0.2352,
0.1933

■ 17.0794, 0.2734,
0.2593

■ 7.4859, 0.2151,
0.1595

■ 21.5944, 0.2902,
0.2889

■ 5.4849, 0.1958,
0.1277

■ 26.8214, 0.3052,
0.3155

■ 4.0128, 0.1787,
0.1003

■ 32.7893, 0.3183,
0.3390

■ 3.0191, 0.1652,
0.0795

■ 39.5254, 0.3296,
0.3596

■ 2.4365, 0.1560,
0.0662

■ 47.0557, 0.3393,
0.3775

■ 2.2439, 0.1530,
0.0617

■ 55.4050, 0.3477,
0.3930

■ 64.5968, 0.3549,
0.4064

■ 74.6540, 0.3610,
0.4181

Harmonies

Analogous

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



13.2450, 0.2119, 0.2274



13.2450, 0.2549, 0.2271



13.2450, 0.3184, 0.2481

Triad

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



13.2450, 0.2549, 0.2271



13.2450, 0.4467, 0.3854



13.2450, 0.2380, 0.3742

Complementary

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



13.2450, 0.2549, 0.2271



28.3595, 0.3600, 0.4162

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.



13.2450, 0.2958, 0.4345



13.2450, 0.2549, 0.2271



13.2450, 0.4175, 0.4307

Square

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



13.2450, 0.2549, 0.2271



13.2450, 0.4365, 0.3341



13.2450, 0.3616, 0.4537



13.2450, 0.2024, 0.3040

Rectangle

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



13.2450, 0.2549, 0.2271



13.2450, 0.3652, 0.2718



13.2450, 0.3616, 0.4537



13.2450, 0.2553, 0.3973

Sweetspot

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



13.2455, 0.2549, 0.2271



42.5859, 0.2970, 0.3009



25.0531, 0.2632, 0.3224



9.1926, 0.2952, 0.2976



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



13.2455, 0.2549, 0.2271



18.9081, 0.2386, 0.1992



14.9726, 0.2866, 0.2356



5.6528, 0.3000, 0.3062



1.8941, 0.1533, 0.0618



0.0274, 0.1692, 0.0706

Inverse Universe

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



16.7980, 0.3220, 0.2494



26.3026, 0.3245, 0.2317



26.2621, 0.3312, 0.4251



5.9016, 0.3148, 0.3088



6.9153, 0.3405, 0.1650



0.0865, 0.3298, 0.1591

Previews

White Background



This preview shows how the Yxy color 13.2450, 0.2549, 0.2271 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 13.2450, 0.2549, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

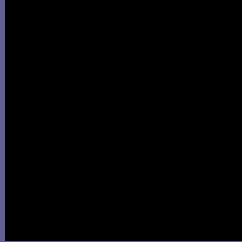
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2450, 0.2549, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 13.2450, 0.2549, 0.2271.



This preview shows how white text looks on a background with the Yxy color 13.2450, 0.2549, 0.2271.

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

13.2450, 0.2549, 0.2271

Protanopia

13.2662, 0.2365, 0.2261

Deuteranopia

13.2845, 0.2392, 0.2342



Tritanopia

13.3458, 0.2865, 0.3111

Trichromacy



Original Color

13.2450, 0.2549, 0.2271

Protanomaly

13.3317, 0.2430, 0.2271

Deuteranomaly

13.1856, 0.2446, 0.2316

Tritanomaly

13.2209, 0.2749, 0.2780

Monochromacy



Original Color

13.2450, 0.2549, 0.2271

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2952, 0.2897, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2450, 0.2549, 0.2271 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(100, 96, 149)` looks like.

```
.text, #text, p{  
    color:rgb(100, 96, 149)  
}
```

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(100, 96, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 96, 149) }
```

Border

The CSS property to change the border of an element to Yxy 13.2450, 0.2549, 0.2271 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(100, 96, 149) }
```

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

```
.border{ border-color:rgb(100, 96, 149) }
```

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

Here you see how a box with a 4 pixel rgb(100, 96, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 96, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 96, 149);  
box-shadow:4px 4px 4px 4px rgb(100, 96,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2450, 0.2549, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 96, 149) }
```

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

```
.background{ background-color: rgb(100, 96,  
149) }
```

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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