

Converting Colors

$Y_{xy}(13.2302, 0.2340, 0.2139)$

Have a look what the booklet for
Yxy(13.2302, 0.2340, 0.2139)
contains.

Yxy(13.2302, 0.2340, 0.2139)	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(13.2302, 0.2340, 0.2139)

Conversions

Conversions Part 1

Format	Color
Hex	57629E
RGB	87, 98, 158
RGB Percent	34%, 38%, 62%
CMY	0.6587, 0.6157, 0.3803
CMYK	0.45, 0.38, 0.00, 0.38
HSL	231°, 29%, 48%
HSV	231°, 45%, 62%
XYZ	14.4734, 13.2302, 34.1486
YIQ	101.5510, -25.8160, 16.3280

Conversions

Conversions Part 2

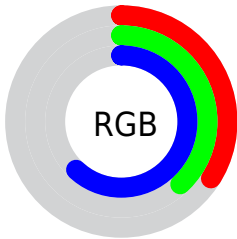
Format	Color
R _Y B	87, 97, 158
Decimal	5726878
CIE Lab	43.11, 12.23, -33.97
CIE LCh	43, 36.106, 289.792
Yxy	13.2302, 0.2340, 0.2139
Android (android.graphics.Color)	4283916958 (0xFF57629E)
YUV	101.5510, 27.8294, -12.7612
Hunter-Lab	36.3733, 7.3741, -30.2023

Details

The Yxy color **13.2302, 0.2340, 0.2139** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.8488, 0.3845, 0.4222**, and the grayscale version is **13.0971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5594, 0.2527, 0.2386**, and **3.8367, 0.1998, 0.1708** is the 20% darker color. If you saturate the color by 10%, you get **10.2560, 0.2146, 0.1832**, and if you desaturate by 10%, it is **16.7894, 0.2534, 0.2435**.

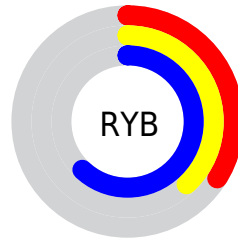
Distribution



Red (34%)

Green (38%)

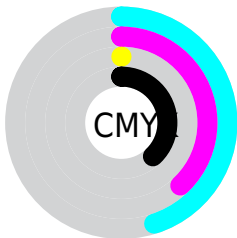
Blue (62%)



Red (34%)

Yellow (38%)

Blue (62%)

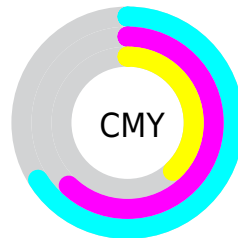


Cyan (45%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (66%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2302, 0.2340, 0.2139 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 13.2302, 0.2340, 0.2139 by changing the saturation by 10% instead.

■ 13.2302, 0.2340,
0.2139

■ 13.2302, 0.2340,
0.2139

212.3878, 0.2805,
0.2789

■ 7.5873, 0.2197,
0.1953

■ 31.7167, 0.2528,
0.2393

■ 3.8320, 0.1996,
0.1702

■ 45.3291, 0.2593,
0.2483

■ 1.5800, 0.1700,
0.1353

■ 62.3667, 0.2645,
0.2557

■ 0.3441, 0.1239,
0.0682

■ 83.2141, 0.2689,
0.2619

■ 0.0000, 0.0000,
0.0000

108.2554, 0.2725,
0.2671

137.8752, 0.2755,

0.2716

172.4579, 0.2782,
0.2755

■ 13.2302, 0.2340,
0.2139

■ 13.2302, 0.2340,
0.2139

■ 10.2560, 0.2146,
0.1832

■ 16.7894, 0.2534,
0.2435

■ 7.8337, 0.1961,
0.1530

■ 20.9615, 0.2721,
0.2712

■ 5.9289, 0.1797,
0.1248

■ 25.7742, 0.2895,
0.2964

■ 4.5029, 0.1667,
0.1005

■ 31.2531, 0.3055,
0.3189

■ 3.5101, 0.1576,
0.0817

■ 37.4225, 0.3198,
0.3388

■ 3.1387, 0.1540,
0.0743

■ 44.3053, 0.3326,
0.3561

■ 51.9234, 0.3440,
0.3712

■ 60.2979, 0.3540,
0.3843

■ 69.4488, 0.3629,
0.3956

Harmonies

Analogous

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



13.2302, 0.1935, 0.2197



13.2302, 0.2340, 0.2139



13.2302, 0.2999, 0.2318

Triad

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



13.2302, 0.2340, 0.2139



13.2302, 0.4649, 0.3762



13.2302, 0.2421, 0.3997

Complementary

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



13.2302, 0.2340, 0.2139



28.8488, 0.3845, 0.4222

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.



13.2302, 0.3101, 0.4601



13.2302, 0.2340, 0.2139



13.2302, 0.4404, 0.4302

Square

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



13.2302, 0.2340, 0.2139



13.2302, 0.4427, 0.3199



13.2302, 0.3827, 0.4667



13.2302, 0.1965, 0.3176

Rectangle

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



13.2302, 0.2340, 0.2139



13.2302, 0.3525, 0.2550



13.2302, 0.3827, 0.4667



13.2302, 0.2630, 0.4245

Sweetspot

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



13.2307, 0.2340, 0.2139



48.3656, 0.2923, 0.3003



28.5707, 0.2619, 0.3501



10.4573, 0.2888, 0.2954



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



13.2307, 0.2340, 0.2139



18.5546, 0.2143, 0.1828



12.6513, 0.2568, 0.2018



6.5924, 0.2988, 0.3095



2.5523, 0.1543, 0.0753



0.0866, 0.1690, 0.1284

Inverse Universe

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



14.9751, 0.4100, 0.3113



22.5623, 0.4457, 0.3081



30.2482, 0.3522, 0.4468



6.6620, 0.3261, 0.3256



5.8799, 0.6146, 0.3159



0.1093, 0.5349, 0.2720

Previews

White Background



This preview shows how the Yxy color 13.2302, 0.2340, 0.2139 looks on a white background.

Color Contrast Check

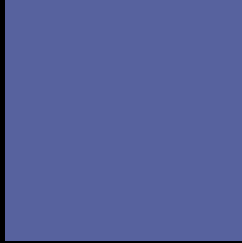
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2302, 0.2340, 0.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

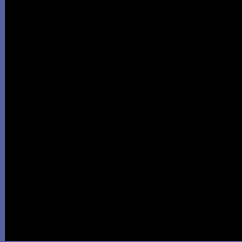
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2302, 0.2340, 0.2139

Background



This preview shows how black text looks on a background with the Yxy color 13.2302, 0.2340, 0.2139.

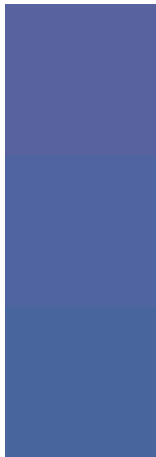


This preview shows how white text looks on a background with the Yxy color 13.2302, 0.2340, 0.2139.

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

13.2302, 0.2340, 0.2139

Protanopia

13.3147, 0.2259, 0.2130

Deuteranopia

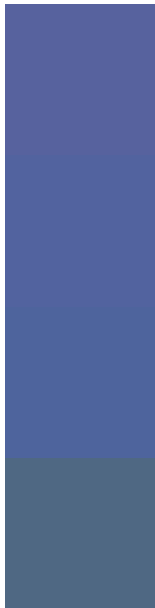
13.1581, 0.2234, 0.2179



Tritanopia

13.2491, 0.2636, 0.3104

Trichromacy



Original Color

13.2302, 0.2340, 0.2139

Protanomaly

13.2207, 0.2289, 0.2132

Deuteranomaly

13.1684, 0.2272, 0.2171

Tritanomaly

13.2016, 0.2512, 0.2703

Monochromacy



Original Color

13.2302, 0.2340, 0.2139

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2539, 0.2809, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2302, 0.2340, 0.2139 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(87, 98, 158)` looks like.

```
.text, #text, p{  
    color:rgb(87, 98, 158)  
}
```

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(87, 98, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 98, 158) }
```

Border

The CSS property to change the border of an element to Yxy 13.2302, 0.2340, 0.2139 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(87, 98, 158) }
```

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

```
.border{ border-color:rgb(87, 98, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 98, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 98, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 98, 158);  
box-shadow:4px 4px 4px 4px rgb(87, 98,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2302, 0.2340, 0.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 98, 158) }
```

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

```
.background{ background-color: rgb(87, 98,  
158) }
```

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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