

Converting Colors

$Y_{xy}(13.1697, 0.1873, 0.1344)$

Have a look what the booklet for
Yxy(13.1697, 0.1873, 0.1344)
contains.

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Color

Yxy(13.2394, 0.1875, 0.1348)

Conversions

Conversions Part 1

Format	Color
Hex	4658D8
RGB	70, 88, 216
RGB Percent	27%, 35%, 85%
CMY	0.7252, 0.6550, 0.1529
CMYK	0.68, 0.59, 0.00, 0.15
HSL	233°, 65%, 56%
HSV	233°, 68%, 85%
XYZ	18.4153, 13.2394, 66.5604
YIQ	97.2100, -51.8160, 35.9920

Conversions

Conversions Part 2

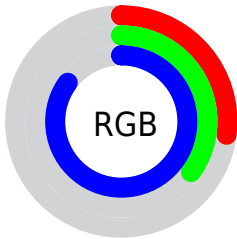
Format	Color
R_{YB}	70, 86, 216
Decimal	4610264
CIE _{Lab}	43.12, 34.49, -67.81
CIE _{LCh}	43, 76.072, 296.960
Yxy	13.2394, 0.1875, 0.1348
Android (android.graphics.Color)	4282800344 (0xFF4658D8)
YUV	97.2100, 58.5635, -23.8632
Hunter-Lab	36.3860, 26.6653, -82.9882

Details

The Yxy color **13.2394, 0.1875, 0.1348** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **55.4839, 0.4171, 0.4661**, and the grayscale version is **11.8746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4653, 0.2227, 0.1836**, and **4.2658, 0.1596, 0.0944** is the 20% darker color. If you saturate the color by 10%, you get **9.8584, 0.1720, 0.1075**, and if you desaturate by 10%, it is **17.7185, 0.2059, 0.1656**.

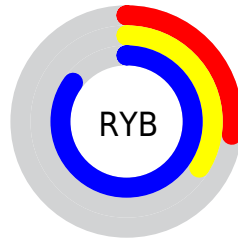
Distribution



Red (27%)

Green (35%)

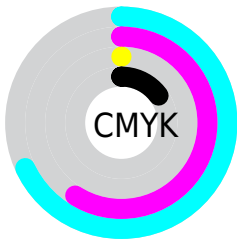
Blue (85%)



Red (27%)

Yellow (34%)

Blue (85%)

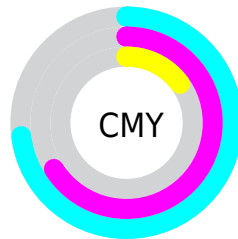


Cyan (68%)

Magenta (59%)

Yellow (0%)

Black (15%)



Cyan (73%)

Magenta (66%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2394, 0.1875, 0.1348 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 13.2394, 0.1875, 0.1348 by changing the saturation by 10% instead.

■ 13.2394, 0.1875,
0.1348

■ 13.2394, 0.1875,
0.1348

■ 212.4463, 0.2580,
0.2321

■ 7.5936, 0.1689,
0.1130

■ 31.7332, 0.2143,
0.1689

■ 3.8360, 0.1452,
0.0874

■ 45.3500, 0.2241,
0.1821

■ 1.5823, 0.1151,
0.0585

■ 62.3926, 0.2322,
0.1935

■ 0.3456, 0.0784,
0.0223

■ 83.2454, 0.2390,
0.2034

■ 0.0000, 0.0147,
0.0000

■ 108.2928, 0.2449,
0.2120

■ 0.0000, 0.0000,
0.0000

137.9191, 0.2499,

0.2195

172.5088, 0.2542,
0.2261

■ 13.2394, 0.1875,
0.1348

■ 13.2394, 0.1875,
0.1348

■ 9.8584, 0.1720,
0.1075

■ 17.7185, 0.2059,
0.1656

■ 7.4777, 0.1605,
0.0858

■ 23.3798, 0.2259,
0.1979

■ 5.9792, 0.1535,
0.0709

■ 30.3000, 0.2462,
0.2298

■ 5.7197, 0.1523,
0.0682

■ 38.5493, 0.2659,
0.2599

■ 48.1925, 0.2843,
0.2875

■ 59.2902, 0.3011,
0.3123

■ 71.8994, 0.3162,
0.3341

■ 86.0741, 0.3296,
0.3531

■ 97.7386, 0.3357,
0.3671

Harmonies

Analogous

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



13.2394, 0.1178, 0.1300



13.2394, 0.1875, 0.1348



13.2394, 0.3154, 0.1698

Triad

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



13.2394, 0.1875, 0.1348



13.2394, 0.5859, 0.3921



13.2394, 0.1433, 0.4361

Complementary

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



13.2394, 0.1875, 0.1348



55.4839, 0.4171, 0.4661

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.



13.2394, 0.2461, 0.6143



13.2394, 0.1875, 0.1348



13.2394, 0.4991, 0.5009

Square

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



13.2394, 0.1875, 0.1348



13.2394, 0.5946, 0.3082



13.2394, 0.3726, 0.6064



13.2394, 0.0943, 0.2509

Rectangle

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



13.2394, 0.1875, 0.1348



13.2394, 0.4276, 0.2092



13.2394, 0.3726, 0.6064



13.2394, 0.1725, 0.5088

Sweetspot

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



13.2397, 0.1875, 0.1348



66.2772, 0.2796, 0.2805



54.4353, 0.2431, 0.3566



13.3215, 0.2744, 0.2728



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



13.2397, 0.1875, 0.1348



12.7287, 0.1666, 0.0976



13.6031, 0.2221, 0.1323



12.2517, 0.2981, 0.3079



3.4694, 0.1527, 0.0697



0.2924, 0.1592, 0.0931

Inverse Universe

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



19.6954, 0.5099, 0.3111



23.9025, 0.5714, 0.3137



57.2969, 0.3609, 0.5084



12.4453, 0.3272, 0.3262



8.6951, 0.6238, 0.3210



0.5328, 0.5864, 0.3004

Previews

White Background



This preview shows how the Yxy color 13.2394, 0.1875, 0.1348 looks on a white background.

Color Contrast Check

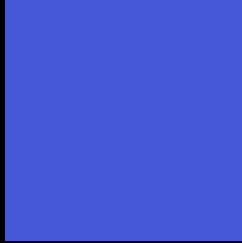
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2394, 0.1875, 0.1348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

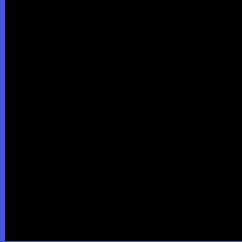
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2394, 0.1875, 0.1348

Background



This preview shows how black text looks on a background with the Yxy color 13.2394, 0.1875, 0.1348.



This preview shows how white text looks on a background with the Yxy color 13.2394, 0.1875, 0.1348.

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

13.2394, 0.1875, 0.1348

Protanopia

13.2404, 0.1744, 0.1477

Deuteranopia

13.1150, 0.1853, 0.1872



Tritanopia

12.9688, 0.2185, 0.3065

Trichromacy



Original Color

13.2394, 0.1875, 0.1348

Protanomaly

12.8652, 0.1752, 0.1406

Deuteranomaly

12.7478, 0.1817, 0.1622

Tritanomaly

12.3075, 0.1981, 0.2167

Monochromacy



Original Color

13.2394, 0.1875, 0.1348

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9251, 0.2482, 0.2337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2394, 0.1875, 0.1348 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(70, 88, 216)` looks like.

```
.text, #text, p{  
    color:rgb(70, 88, 216)  
}
```

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(70, 88, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 88, 216) }
```

Border

The CSS property to change the border of an element to Yxy 13.2394, 0.1875, 0.1348 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(70, 88, 216) }
```

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

```
.border{ border-color:rgb(70, 88, 216) }
```

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

Here you see how a box with a 4 pixel rgb(70, 88, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 88, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 88, 216);  
box-shadow:4px 4px 4px 4px rgb(70, 88,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2394, 0.1875, 0.1348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 88, 216) }
```

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

```
.background{ background-color: rgb(70, 88,  
216) }
```

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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