

Converting Colors

$Y_{xy}(13.8975, 0.2102, 0.1939)$

Have a look what the booklet for
Yxy(13.8975, 0.2102, 0.1939)
contains.

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Color

Yxy(13.9394, 0.2098, 0.1935)

Conversions

Conversions Part 1

Format	Color
Hex	4666B0
RGB	70, 102, 176
RGB Percent	27%, 40%, 69%
CMY	0.7257, 0.6000, 0.3097
CMYK	0.60, 0.42, 0.00, 0.31
HSL	222°, 43%, 48%
HSV	222°, 60%, 69%
XYZ	15.1136, 13.9394, 42.9852
YIQ	100.8680, -42.8260, 16.2300

Conversions

Conversions Part 2

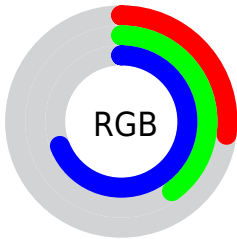
Format	Color
R_{YB}	70, 95, 176
Decimal	4613808
CIE _{Lab}	44.15, 11.63, -43.02
CIE _{LCh}	44, 44.563, 285.131
Yxy	13.9394, 0.2098, 0.1935
Android (android.graphics.Color)	4282803888 (0xFF4666B0)
YUV	100.8680, 37.0401, -27.0712
Hunter-Lab	37.3355, 6.9207, -42.1271

Details

The Yxy color **13.9394, 0.2098, 0.1935** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.6182, 0.4227, 0.4319**, and the grayscale version is **12.8872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1207, 0.2334, 0.2227**, and **4.2584, 0.1748, 0.1492** is the 20% darker color. If you saturate the color by 10%, you get **11.1403, 0.1938, 0.1673**, and if you desaturate by 10%, it is **17.2891, 0.2272, 0.2198**.

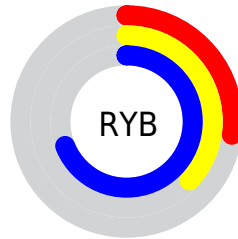
Distribution



Red (27%)

Green (40%)

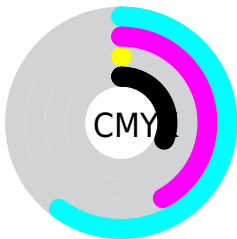
Blue (69%)



Red (27%)

Yellow (37%)

Blue (69%)

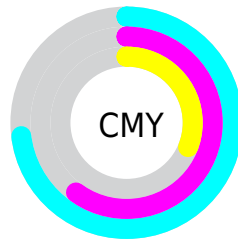


Cyan (60%)

Magenta (42%)

Yellow (0%)

Black (31%)



Cyan (73%)

Magenta (60%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.9394, 0.2098, 0.1935 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 13.9394, 0.2098, 0.1935 by changing the saturation by 10% instead.

■ 13.9394, 0.2098,
0.1935

■ 13.9394, 0.2098,
0.1935

■ 216.8535, 0.2688,
0.2681

■ 8.0785, 0.1928,
0.1733

■ 32.9815, 0.2330,
0.2220

■ 4.1452, 0.1700,
0.1471

■ 46.9314, 0.2412,
0.2323

■ 1.7551, 0.1385,
0.1127

■ 64.3466, 0.2479,
0.2409

■ 0.4590, 0.0951,
0.0606

■ 85.6113, 0.2535,
0.2481

■ 0.0000, 0.0000,
0.0000

■ 111.1099, 0.2583,
0.2542

141.2269, 0.2623,

0.2595

176.3466, 0.2658,
0.2641

■ 13.9394, 0.2098,
0.1935

■ 13.9394, 0.2098,
0.1935

■ 11.1403, 0.1938,
0.1673

■ 17.2891, 0.2272,
0.2198

■ 8.8575, 0.1800,
0.1422

■ 21.2180, 0.2453,
0.2453

■ 7.0540, 0.1692,
0.1197

■ 25.7542, 0.2633,
0.2692

■ 5.6986, 0.1613,
0.1008

■ 30.9234, 0.2806,
0.2911

■ 36.7496, 0.2970,
0.3109

■ 43.2558, 0.3123,
0.3286

■ 50.4636, 0.3264,
0.3441

■ 58.3938, 0.3392,
0.3578

■ 67.0660, 0.3509,
0.3697

Harmonies

Analogous

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



13.9394, 0.1688, 0.2034



13.9394, 0.2098, 0.1935



13.9394, 0.2824, 0.2105

Triad

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



13.9394, 0.2098, 0.1935



13.9394, 0.4951, 0.3695



13.9394, 0.2377, 0.4314

Complementary

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



13.9394, 0.2098, 0.1935



29.6182, 0.4227, 0.4319

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.



13.9394, 0.3199, 0.4970



13.9394, 0.2098, 0.1935



13.9394, 0.4705, 0.4349

Square

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



13.9394, 0.2098, 0.1935



13.9394, 0.4609, 0.3060



13.9394, 0.4047, 0.4887



13.9394, 0.1809, 0.3279

Rectangle

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



13.9394, 0.2098, 0.1935



13.9394, 0.3446, 0.2347



13.9394, 0.4047, 0.4887



13.9394, 0.2633, 0.4608

Sweetspot

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



13.9399, 0.2098, 0.1935



58.0203, 0.2839, 0.2951



34.3305, 0.2596, 0.3880



11.9547, 0.2791, 0.2892



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.



13.9399, 0.2098, 0.1935



18.8592, 0.1894, 0.1596



9.6548, 0.2148, 0.1462



8.6349, 0.2985, 0.3127



4.2713, 0.1619, 0.1026



0.2396, 0.1782, 0.1614

Inverse Universe

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



14.5683, 0.4389, 0.2842



21.6556, 0.4840, 0.2805



38.6319, 0.3773, 0.4785



8.5461, 0.3241, 0.3221



6.9713, 0.5719, 0.2924



0.2300, 0.4914, 0.2480

Previews

White Background



This preview shows how the Yxy color 13.9394, 0.2098, 0.1935 looks on a white background.

Color Contrast Check

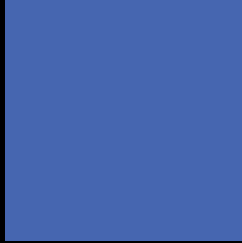
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9394, 0.2098, 0.1935 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 13.9394, 0.2098, 0.1935

Background



This preview shows how black text looks on a background with the Yxy color 13.9394, 0.2098, 0.1935.



This preview shows how white text looks on a background with the Yxy color 13.9394, 0.2098, 0.1935.

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

13.9394, 0.2098, 0.1935

Protanopia

14.0538, 0.2119, 0.1942

Deuteranopia

13.9826, 0.2021, 0.1975



Tritanopia

14.0455, 0.2348, 0.3077

Trichromacy



Original Color

13.9394, 0.2098, 0.1935

Protanomaly

14.0150, 0.2112, 0.1940

Deuteranomaly

13.9564, 0.2050, 0.1966

Tritanomaly

13.9171, 0.2245, 0.2597

Monochromacy



Original Color

13.9394, 0.2098, 0.1935

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.0395, 0.2656, 0.2712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9394, 0.2098, 0.1935 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, 102, 176)` looks like.

```
.text, #text, p{  
  color:rgb(70, 102, 176)  
}
```

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, 102, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 102, 176) }
```

Border

The CSS property to change the border of an element to Yxy 13.9394, 0.2098, 0.1935 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, 102, 176) }
```

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

```
.border{ border-color:rgb(70, 102, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 102, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 102, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 102, 176);  
box-shadow:4px 4px 4px 4px rgb(70, 102,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9394, 0.2098, 0.1935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 102, 176) }
```

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

```
.background{ background-color: rgb(70, 102,  
176) }
```

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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