

Converting Colors

$Y_{xy}(13.1898, 0.2101, 0.2303)$

Have a look what the booklet for
Yxy(13.1898, 0.2101, 0.2303)
contains.

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Color

Yxy(13.1888, 0.2101, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	2E6A99
RGB	46, 106, 153
RGB Percent	18%, 42%, 60%
CMY	0.8194, 0.5843, 0.4000
CMYK	0.70, 0.31, 0.00, 0.40
HSL	206°, 54%, 39%
HSV	206°, 70%, 60%
XYZ	12.0320, 13.1888, 32.0471
YIQ	93.4180, -50.8470, 1.8970

Conversions

Conversions Part 2

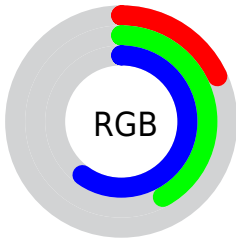
Format	Color
R _Y B	46, 84, 153
Decimal	3041945
CIE Lab	43.05, -3.45, -31.23
CIE LCh	43, 31.424, 263.688
Yxy	13.1888, 0.2101, 0.2303
Android (android.graphics.Color)	4281232025 (0xFF2E6A99)
YUV	93.4180, 29.3739, -41.5856
Hunter-Lab	36.3164, -4.4148, -26.8985

Details

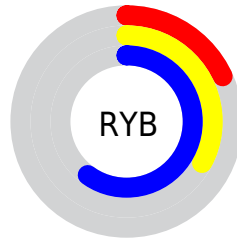
The Yxy color **13.1888, 0.2101, 0.2303** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.8087, 0.4758, 0.4015**, and the grayscale version is **10.9915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6111, 0.2332, 0.2529**, and **4.0872, 0.1869, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **11.5626, 0.1993, 0.2135**, and if you desaturate by 10%, it is **15.0513, 0.2227, 0.2470**.

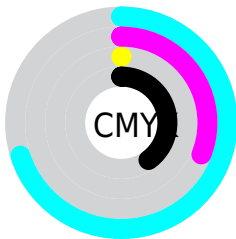
Distribution



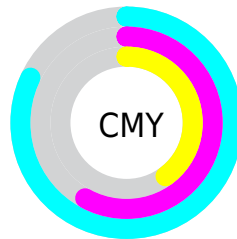
- Red (18%)
- Green (42%)
- Blue (60%)



- Red (18%)
- Yellow (33%)
- Blue (60%)



- Cyan (70%)
- Magenta (31%)
- Yellow (0%)
- Black (40%)



- Cyan (82%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1888, 0.2101, 0.2303 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 13.1888, 0.2101, 0.2303 by changing the saturation by 10% instead.

■ 13.1888, 0.2101,
0.2303

■ 13.1888, 0.2101,
0.2303

■ 212.1241, 0.2694,
0.2881

■ 7.5587, 0.1925,
0.2127

■ 31.6426, 0.2337,
0.2536

■ 3.8139, 0.1682,
0.1884

■ 45.2350, 0.2420,
0.2616

■ 1.5700, 0.1337,
0.1530

■ 62.2503, 0.2487,
0.2681

■ 0.3373, 0.0569,
0.0812

■ 83.0729, 0.2543,
0.2735

■ 0.0000, 0.0000,
0.0000

■ 108.0872, 0.2590,
0.2780

■ 137.6776, 0.2630,

0.2819

172.2284, 0.2664,
0.2852

■ 13.1888, 0.2101,
0.2303

■ 13.1888, 0.2101,
0.2303

■ 11.5626, 0.1993,
0.2135

■ 15.0513, 0.2227,
0.2470

■ 10.1547, 0.1906,
0.1969

■ 17.1631, 0.2366,
0.2631

■ 8.9282, 0.1836,
0.1808

■ 19.5379, 0.2515,
0.2785

■ 8.9161, 0.1835,
0.1807

■ 22.1875, 0.2669,
0.2929

■ 25.1228, 0.2824,
0.3061

■ 28.3543, 0.2978,
0.3182

■ 31.8916, 0.3129,
0.3291

■ 35.7440, 0.3273,
0.3388

■ 39.9202, 0.3411,
0.3475

Harmonies

Analogous

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



13.1888, 0.1952, 0.2579



13.1888, 0.2101, 0.2303



13.1888, 0.2500, 0.2274

Triad

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



13.1888, 0.2101, 0.2303



13.1888, 0.4308, 0.3287



13.1888, 0.3033, 0.4370

Complementary

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



13.1888, 0.2101, 0.2303



14.8087, 0.4758, 0.4015

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.



13.1888, 0.3679, 0.4509



13.1888, 0.2101, 0.2303



13.1888, 0.4455, 0.3793

Square

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



13.1888, 0.2101, 0.2303



13.1888, 0.3791, 0.2818



13.1888, 0.4207, 0.4251



13.1888, 0.2446, 0.3812

Rectangle

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



13.1888, 0.2101, 0.2303



13.1888, 0.2887, 0.2377



13.1888, 0.4207, 0.4251



13.1888, 0.3251, 0.4469

Sweetspot

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



13.1892, 0.2101, 0.2303



44.1620, 0.2801, 0.3042



24.1435, 0.2744, 0.4579



9.4543, 0.2762, 0.3009



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.1892, 0.2101, 0.2303



19.2092, 0.1940, 0.2039



5.4452, 0.1839, 0.1227



6.5717, 0.2989, 0.3190



7.4365, 0.1838, 0.1818



0.1835, 0.2030, 0.2507

Inverse Universe

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



9.7710, 0.4065, 0.2376



14.6447, 0.4384, 0.2312



27.4869, 0.4118, 0.4738



6.2777, 0.3201, 0.3166



6.1560, 0.4664, 0.2343



0.0993, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 13.1888, 0.2101, 0.2303 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 13.1888, 0.2101, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

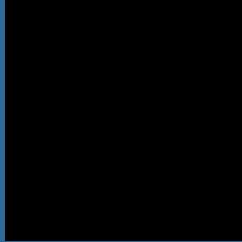
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

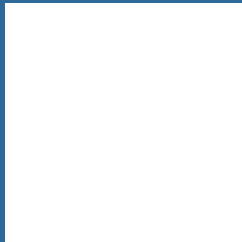
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.1888, 0.2101, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 13.1888, 0.2101, 0.2303.

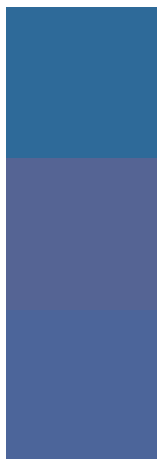


This preview shows how white text looks on a background with the Yxy color 13.1888, 0.2101, 0.2303.

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

13.1888, 0.2101, 0.2303

Protanopia

13.1838, 0.2408, 0.2326

Deuteranopia

13.1770, 0.2281, 0.2232



Tritanopia

13.1282, 0.2232, 0.3067

Trichromacy



Original Color

13.1888, 0.2101, 0.2303

Protanomaly

13.0443, 0.2271, 0.2305

Deuteranomaly

13.1574, 0.2201, 0.2251

Tritanomaly

13.1213, 0.2171, 0.2754

Monochromacy



Original Color

13.1888, 0.2101, 0.2303

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.5097, 0.2621, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1888, 0.2101, 0.2303 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(46, 106, 153)` looks like.

```
.text, #text, p{  
  color:rgb(46, 106, 153)  
}
```

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(46, 106, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 106, 153) }
```

Border

The CSS property to change the border of an element to Yxy 13.1888, 0.2101, 0.2303 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(46, 106, 153) }
```

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

```
.border{ border-color:rgb(46, 106, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 106, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 106, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 106, 153);  
box-shadow:4px 4px 4px 4px rgb(46, 106,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1888, 0.2101, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 106, 153) }
```

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

```
.background{ background-color: rgb(46, 106,  
153) }
```

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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