

Converting Colors

$Y_{xy}(13.7989, 0.1997, 0.2243)$

Have a look what the booklet for
Yxy(13.7989, 0.1997, 0.2243)
contains.

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Color

Yxy(13.8841, 0.2001, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	186EA0
RGB	24, 110, 160
RGB Percent	9%, 43%, 63%
CMY	0.9053, 0.5686, 0.3726
CMYK	0.85, 0.31, 0.00, 0.37
HSL	202°, 74%, 36%
HSV	202°, 85%, 63%
XYZ	12.2984, 13.8841, 35.2788
YIQ	89.9860, -67.3060, -2.6820

Conversions

Conversions Part 2

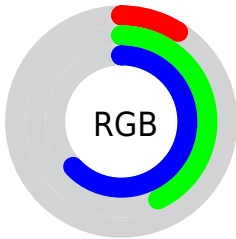
Format	Color
R_{YB}	24, 77, 160
Decimal	1601184
CIE Lab	44.07, -6.01, -33.80
CIE LCh	44, 34.334, 259.916
Yxy	13.8841, 0.2001, 0.2259
Android (android.graphics.Color)	4279791264 (0xFF186EA0)
YUV	89.9860, 34.5169, -57.8697
Hunter-Lab	37.2614, -6.2921, -30.0523

Details

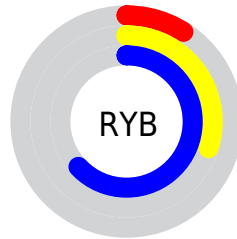
The Yxy color **13.8841, 0.2001, 0.2259** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.4515, 0.5359, 0.3898**, and the grayscale version is **10.1626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7757, 0.2254, 0.2493**, and **4.6377, 0.1871, 0.1935** is the 20% darker color. If you saturate the color by 10%, you get **12.5129, 0.1934, 0.2122**, and if you desaturate by 10%, it is **15.4552, 0.2088, 0.2399**.

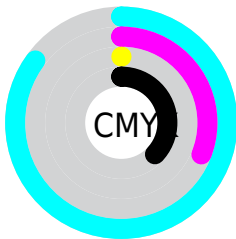
Distribution



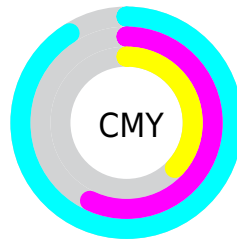
- Red (9%)
- Green (43%)
- Blue (63%)



- Red (9%)
- Yellow (30%)
- Blue (63%)



- Cyan (85%)
- Magenta (31%)
- Yellow (0%)
- Black (37%)



- Cyan (91%)
- Magenta (57%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8841, 0.2001, 0.2259 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 13.8841, 0.2001, 0.2259 by changing the saturation by 10% instead.

■ 13.8841, 0.2001,
0.2259

■ 13.8841, 0.2001,
0.2259

■ 216.5086, 0.2642,
0.2859

■ 8.0401, 0.1816,
0.2080

■ 32.8832, 0.2253,
0.2499

■ 4.1206, 0.1568,
0.1834

■ 46.8072, 0.2342,
0.2582

■ 1.7413, 0.1224,
0.1485

■ 64.1932, 0.2415,
0.2650

■ 0.4502, 0.0553,
0.0885

■ 85.4257, 0.2476,
0.2706

■ 0.0000, 0.0000,
0.0000

■ 110.8891, 0.2527,
0.2753

■ 140.9678, 0.2571,

0.2794

176.0462, 0.2609,
0.2829

■ 13.8841, 0.2001,
0.2259

■ 13.8841, 0.2001,
0.2259

■ 12.5129, 0.1934,
0.2122

■ 15.4552, 0.2088,
0.2399

■ 11.8670, 0.1903,
0.2052

■ 17.2446, 0.2195,
0.2538

■ 19.2690, 0.2318,
0.2674

■ 21.5425, 0.2454,
0.2805

■ 24.0778, 0.2599,
0.2929

■ 26.8867, 0.2749,
0.3044

■ 29.9801, 0.2902,
0.3150

■ 33.3681, 0.3054,
0.3246

■ 37.0604, 0.3202,
0.3333

Harmonies

Analogous

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



13.8841, 0.1878, 0.2582



13.8841, 0.2001, 0.2259



13.8841, 0.2389, 0.2201

Triad

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



13.8841, 0.2001, 0.2259



13.8841, 0.4345, 0.3213



13.8841, 0.3107, 0.4506

Complementary

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



13.8841, 0.2001, 0.2259



12.4515, 0.5359, 0.3898

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.



13.8841, 0.3791, 0.4582



13.8841, 0.2001, 0.2259



13.8841, 0.4555, 0.3748

Square

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



13.8841, 0.2001, 0.2259



13.8841, 0.3749, 0.2730



13.8841, 0.4331, 0.4254



13.8841, 0.2464, 0.3945

Rectangle

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



13.8841, 0.2001, 0.2259



13.8841, 0.2783, 0.2292



13.8841, 0.4331, 0.4254



13.8841, 0.3340, 0.4588

Sweetspot

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



13.8846, 0.2001, 0.2259



48.5278, 0.2740, 0.3038



25.8234, 0.2796, 0.5092



10.2648, 0.2690, 0.3001



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.



13.8846, 0.2001, 0.2259



21.1553, 0.1896, 0.2027



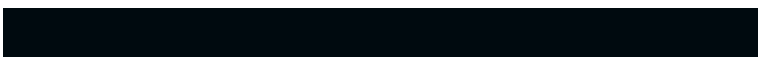
4.4071, 0.1656, 0.0965



7.0987, 0.2988, 0.3206



9.3330, 0.1907, 0.2064



0.2453, 0.2059, 0.2612

Inverse Universe

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



9.2561, 0.4150, 0.2178



15.2403, 0.4423, 0.2210



26.8439, 0.4347, 0.4800



6.7131, 0.3191, 0.3150



6.5644, 0.4380, 0.2187



0.1253, 0.3812, 0.1874

Previews

White Background



This preview shows how the Yxy color 13.8841, 0.2001, 0.2259 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 13.8841, 0.2001, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

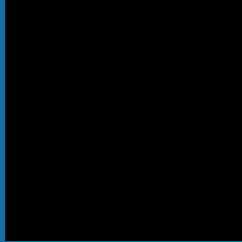
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8841, 0.2001, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 13.8841, 0.2001, 0.2259.

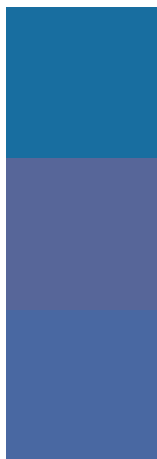


This preview shows how white text looks on a background with the Yxy color 13.8841, 0.2001, 0.2259.

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

13.8841, 0.2001, 0.2259

Protanopia

13.8289, 0.2393, 0.2293

Deuteranopia

13.9257, 0.2213, 0.2167



Tritanopia

13.7167, 0.2186, 0.3070

Trichromacy



Original Color

13.8841, 0.2001, 0.2259

Protanomaly

13.5934, 0.2189, 0.2260

Deuteranomaly

13.6935, 0.2105, 0.2190

Tritanomaly

13.6745, 0.2108, 0.2737

Monochromacy



Original Color

13.8841, 0.2001, 0.2259

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.9454, 0.2505, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8841, 0.2001, 0.2259 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(24, 110, 160)` looks like.

```
.text, #text, p{  
    color:rgb(24, 110, 160)  
}
```

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(24, 110, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 110, 160) }
```

Border

The CSS property to change the border of an element to Yxy 13.8841, 0.2001, 0.2259 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(24, 110, 160) }
```

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

```
.border{ border-color:rgb(24, 110, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 110, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 110, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 110, 160);  
box-shadow:4px 4px 4px 4px rgb(24, 110,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8841, 0.2001, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 110, 160) }
```

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

```
.background{ background-color: rgb(24, 110,  
160) }
```

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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