Converting Colors

Yxy(13.4142, 0.1974, 0.2308)

Have a look what the booklet for Yxy(13.4142, 0.1974, 0.2308) contains.

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Color

Yxy(13.3376, 0.1970, 0.2291)

Conversions

Conversions Part 1

Format	Color
Hex	006D9C
RGB	0, 109, 156
RGB Percent	0%, 43%, 61%
CMY	0.9994, 0.5725, 0.3883
CMYK	1.00, 0.30, 0.00, 0.39
HSL	198°, 100%, 31%
HSV	198°, 100%, 61%
XYZ	11.4688, 13.3376, 33.4109
YIQ	81.7670, -80.0510, -8.4910

Conversions

Conversions Part 2

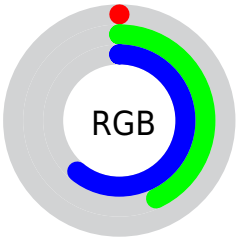
Format	Color
RYB	0, 64, 156
Decimal	28060
CIELab	43.27, -8.39, -32.71
CIELCh	43, 33.771, 255.618
Yxy	13.3376, 0.1970, 0.2291
Android (android.graphics.Color)	4278218140 (0xFF006D9C)
YUV	81.7670, 36.5969, -71.7097
Hunter-Lab	36.5207, -7.8557, -28.6770

Details

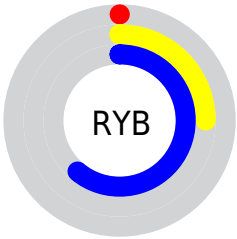
The Yxy color 13.3376, 0.1970, 0.2291 is a dark color, and the websafe version is hex 006699. A complement of this color would be 9.1088, 0.5933, 0.3670, and the grayscale version is 8.3354, 0.3127, 0.3290.

A 20% lighter version of the original color is 31.7761, 0.2226, 0.2519, and 4.4447, 0.1885, 0.1984 is the 20% darker color. If you saturate the color by 10%, you get 13.3273, 0.1970, 0.2290, and if you desaturate by 10%, it is 14.4752, 0.2023, 0.2402.

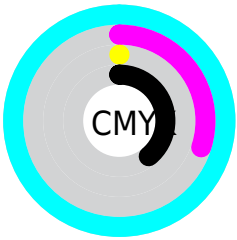
Distribution



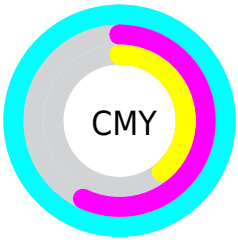
- Red (0%)
- Green (43%)
- Blue (61%)



- Red (0%)
- Yellow (25%)
- Blue (61%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3376, 0.1970, 0.2291 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 13.3376, 0.1970, 0.2291 by changing the saturation by 10% instead.

13.3376, 0.1970, 0.2291

213.0701, 0.2631, 0.2880

31.9090, 0.2231, 0.2528

45.5730, 0.2322, 0.2610

62.6684, 0.2398, 0.2677

83.5796, 0.2460, 0.2732

108.6909, 0.2513, 0.2778

138.3869, 0.2558,

13.3376, 0.1970, 0.2291

7.6614, 0.1778, 0.2112

3.8791, 0.1520, 0.1863

1.6062, 0.1163, 0.1504

0.3617, 0.0316, 0.0822

0.0000, 0.0000, 0.0000

0.2817

173.0518, 0.2597, 0.2850

13.3376, 0.1970, 0.2291

13.3273, 0.1970, 0.2290

13.3376, 0.1970, 0.2291

14.4752, 0.2023, 0.2402

15.7487, 0.2091, 0.2514

17.1950, 0.2179, 0.2626

18.8298, 0.2284, 0.2737

20.6665, 0.2405, 0.2845

22.7172, 0.2538, 0.2947

24.9926, 0.2680, 0.3044

27.5027, 0.2828, 0.3134

30.2569, 0.2978, 0.3216

Harmonies

Analogous

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

13.3376, 0.1886, 0.2654

13.3376, 0.1970, 0.2291

13.3376, 0.2320, 0.2198

Triad

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

13.3376, 0.1970, 0.2291

13.3376, 0.4275, 0.3140

13.3376, 0.3207, 0.4544

Complementary

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

13.3376, 0.1970, 0.2291

9.1088, 0.5933, 0.3670

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.

13.3376, 0.3880, 0.4551

13.3376, 0.1970, 0.2291

13.3376, 0.4549, 0.3671

Square

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

13.3376, 0.1970, 0.2291

13.3376, 0.3644, 0.2671

13.3376, 0.4383, 0.4185

13.3376, 0.2549, 0.4045

Rectangle

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

13.3376, 0.1970, 0.2291

13.3376, 0.2692, 0.2267

13.3376, 0.4383, 0.4185

13.3376, 0.3439, 0.4601

Sweetspot

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

13.3380, 0.1970, 0.2291

45.1104, 0.2670, 0.3038

23.9739, 0.2881, 0.5572

9.5630, 0.2614, 0.3000

78.7412, 0.3127, 0.3290

13.2868, 0.3127, 0.3290

Same Dimension

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

13.3380, 0.1970, 0.2291

23.8559, 0.1964, 0.2269

3.3970, 0.1560, 0.0816

7.1716, 0.2988, 0.3221

11.0441, 0.1972, 0.2298

0.2676, 0.2095, 0.2741

Inverse Universe

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

8.1729, 0.4136, 0.2053

14.8055, 0.4159, 0.2065

21.6849, 0.4590, 0.4736

6.7205, 0.3181, 0.3135

6.7371, 0.4128, 0.2048

0.1275, 0.3689, 0.1806

Previews

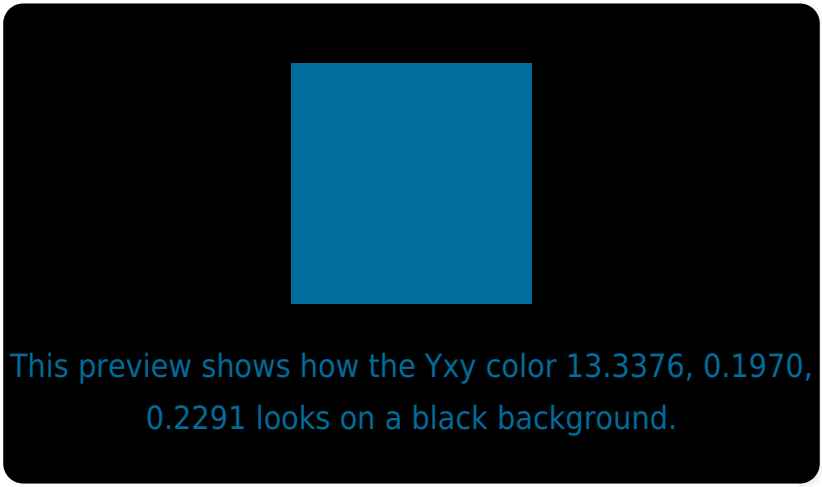
White Background

This preview shows how the Yxy color 13.3376, 0.1970, 0.2291 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



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 13.3376, 0.1970, 0.2291

Background

This preview shows how black text looks on a background with the Yxy color 13.3376, 0.1970, 0.2291.

This preview shows how white text looks on a background with the Yxy color 13.3376, 0.1970, 0.2291.

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
13.3376, 0.1970, 0.2291

Protanopia
13.2627, 0.2410, 0.2313

Deuteranopia
13.4272, 0.2239, 0.2187

Tritanopia
13.2154, 0.2185, 0.3066

Trichromacy

Original Color
13.3376, 0.1970, 0.2291

Protanomaly
12.7797, 0.2144, 0.2266

Deuteranomaly
13.1418, 0.2078, 0.2218

Tritanomaly
13.3096, 0.2104, 0.2773

Monochromacy

Original Color
13.3376, 0.1970, 0.2291

Achromatopsia
8.4376, 0.3127, 0.3290

Achromatomaly
9.4885, 0.2398, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3376, 0.1970, 0.2291 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(0, 109, 156) looks like.

```
.text, #text, p{
    color:rgb(0, 109, 156)
}
```

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(0, 109, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 156) }
```

Border

The CSS property to change the border of an element to Yxy 13.3376, 0.1970, 0.2291 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(0, 109, 156) }
```

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

```
.border{ border-color:rgb(0, 109, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 109, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 109, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 109, 156); box-shadow:4px 4px 4px 4px rgb(0, 109, 156) }
```

Background

The CSS property to change the background color of an element to Yxy 13.3376, 0.1970, 0.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(0, 109, 156) }
```

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

```
.background{ background-color:rgb(0, 109, 156) }
```

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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