

Converting Colors

$Yxy(10.2512, 0.2023, 0.2483)$

Have a look what the booklet for
Yxy(10.2512, 0.2023, 0.2483)
contains.

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Color

$\text{Yxy}(10.1611, 0.2020, 0.2472)$

Conversions

Conversions Part 1

Format	Color
Hex	006182
RGB	0, 97, 130
RGB Percent	0%, 38%, 51%
CMY	1.0000, 0.6196, 0.4902
CMYK	1.00, 0.25, 0.00, 0.49
HSL	195°, 100%, 25%
HSV	195°, 100%, 51%
XYZ	8.3032, 10.1611, 22.6405
YIQ	71.7590, -68.4050, -10.3010

Conversions

Conversions Part 2

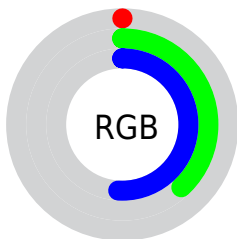
Format	Color
RYB	0, 56, 130
Decimal	24962
CIELab	38.13, -11.46, -25.16
CIELCh	38, 27.648, 245.506
Yxy	10.1611, 0.2020, 0.2472
Android (android.graphics.Color)	4278215042 (0xFF006182)
YUV	71.7590, 28.7128, -62.9326
Hunter-Lab	31.8765, -9.2883, -19.7976

Details

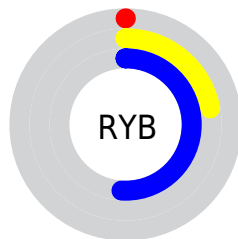
The Yxy color **10.1611, 0.2020, 0.2472** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **5.8325, 0.6020, 0.3602**, and the grayscale version is **6.3960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2184, 0.2292, 0.2698**, and **2.9468, 0.1935, 0.2167** is the 20% darker color. If you saturate the color by 10%, you get **10.1616, 0.2020, 0.2472**, and if you desaturate by 10%, it is **10.8697, 0.2071, 0.2563**.

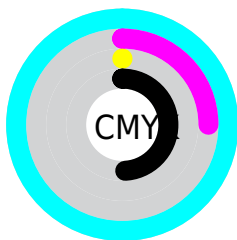
Distribution



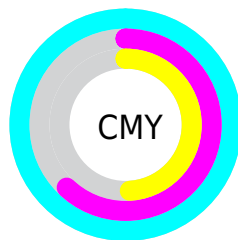
- Red (0%)
- Green (38%)
- Blue (51%)



- Red (0%)
- Yellow (22%)
- Blue (51%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (62%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1611, 0.2020, 0.2472 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 10.1611, 0.2020, 0.2472 by changing the saturation by 10% instead.

10.1611, 0.2020,
0.2472

10.1611, 0.2020,
0.2472

191.8180, 0.2681,
0.2982

5.5059, 0.1812,
0.2297

26.0981, 0.2291,
0.2689

2.5470, 0.1517,
0.2035

38.1486, 0.2383,
0.2761

0.9001, 0.1042,
0.1629

53.4331, 0.2457,
0.2817

0.0000, 0.0000,
0.0000

72.3359, 0.2518,
0.2863

95.2414, 0.2569,
0.2900

122.5340, 0.2612,

0.2932

154.5981, 0.2649,
0.2959

■ 10.1611, 0.2020,
0.2472

■ 10.1611, 0.2020,
0.2472

■ 10.1616, 0.2020,
0.2472

■ 10.8697, 0.2071,
0.2563

■ 11.6518, 0.2134,
0.2655

■ 12.5376, 0.2215,
0.2746

■ 13.5366, 0.2314,
0.2836

■ 14.6572, 0.2428,
0.2924

■ 15.9067, 0.2554,
0.3007

■ 17.2918, 0.2690,
0.3087

■ 18.8187, 0.2833,
0.3160

■ 20.4932, 0.2979,
0.3228

Harmonies

Analogous

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



10.1611, 0.2030, 0.2895



10.1611, 0.2020, 0.2472



10.1611, 0.2262, 0.2300

Triad

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



10.1611, 0.2020, 0.2472



10.1611, 0.3992, 0.3006



10.1611, 0.3421, 0.4458

Complementary

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



10.1611, 0.2020, 0.2472



5.8325, 0.6020, 0.3602

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.



10.1611, 0.3993, 0.4348



10.1611, 0.2020, 0.2472



10.1611, 0.4364, 0.3483

Square

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



10.1611, 0.2020, 0.2472



10.1611, 0.3371, 0.2608



10.1611, 0.4352, 0.3965



10.1611, 0.2801, 0.4150

Rectangle

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



10.1611, 0.2020, 0.2472



10.1611, 0.2554, 0.2315



10.1611, 0.4352, 0.3965



10.1611, 0.3626, 0.4463

Sweetspot

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



10.1616, 0.2020, 0.2472



30.2816, 0.2681, 0.3081



16.0707, 0.2906, 0.5661



6.6555, 0.2632, 0.3054



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



10.1616, 0.2020, 0.2472



17.6550, 0.2015, 0.2452



2.6716, 0.1593, 0.0933



4.7079, 0.2993, 0.3234



9.7555, 0.2021, 0.2474



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.6085, 0.3950, 0.1950



9.8535, 0.3970, 0.1961



13.3866, 0.4699, 0.4651



4.3944, 0.3172, 0.3130



5.3793, 0.3949, 0.1949



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.1611, 0.2020, 0.2472 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 10.1611, 0.2020, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

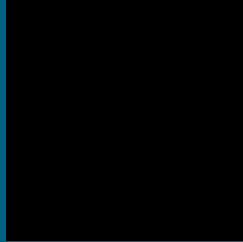
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1611, 0.2020, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 10.1611, 0.2020, 0.2472.

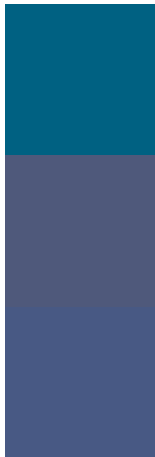


This preview shows how white text looks on a background with the Yxy color 10.1611, 0.2020, 0.2472.

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

10.1611, 0.2020, 0.2472

Protanopia

10.2371, 0.2544, 0.2510

Deuteranopia

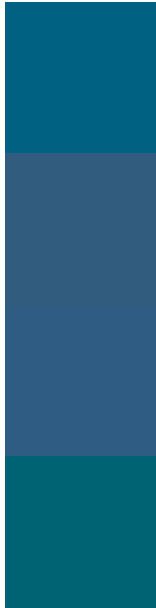
10.1884, 0.2374, 0.2324



Tritanopia

10.1759, 0.2193, 0.3095

Trichromacy



Original Color

10.1611, 0.2020, 0.2472

Protanomaly

9.8388, 0.2232, 0.2465

Deuteranomaly

9.8738, 0.2164, 0.2361

Tritanomaly

10.1615, 0.2129, 0.2862

Monochromacy



Original Color

10.1611, 0.2020, 0.2472

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.2560, 0.2443, 0.2933

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1611, 0.2020, 0.2472 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, 97, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 130)  
}
```

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, 97, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 130) }
```

Border

The CSS property to change the border of an element to Yxy 10.1611, 0.2020, 0.2472 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, 97, 130) }
```

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

```
.border{ border-color:rgb(0, 97, 130) }
```

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

Here you see how a box with a 4 pixel rgb(0, 97, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 130)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1611, 0.2020, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 130) }
```

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

```
.background{ background-color: rgb(0, 97,  
130) }
```

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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