

Converting Colors

$Yxy(12.7943, 0.1900, 0.3232)$

Have a look what the booklet for
Yxy(12.7943, 0.1900, 0.3232)
contains.

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Color

Yxy(13.7988, 0.2233, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	007476
RGB	0, 116, 118
RGB Percent	0%, 45%, 46%
CMY	0.9996, 0.5451, 0.5373
CMYK	1.00, 0.02, 0.00, 0.54
HSL	181°, 100%, 23%
HSV	181°, 100%, 46%
XYZ	9.5160, 13.7988, 19.3004
YIQ	81.5440, -69.7780, -23.9700

Conversions

Conversions Part 2

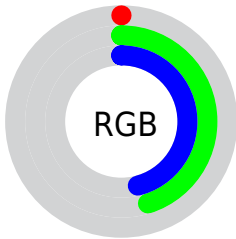
Format	Color
RYB	0, 58, 118
Decimal	29814
CIELab	43.94, -26.20, -9.00
CIELCh	44, 27.706, 198.952
Yxy	13.7988, 0.2233, 0.3238
Android (android.graphics.Color)	4278219894 (0xFF007476)
YUV	81.5440, 17.9728, -71.5141
Hunter-Lab	37.1467, -19.2800, -4.8027

Details

The Yxy color **13.7988, 0.2233, 0.3238** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8969, 0.6377, 0.3316**, and the grayscale version is **8.3215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5698, 0.2446, 0.3254**, and **4.4565, 0.2214, 0.3170** is the 20% darker color. If you saturate the color by 10%, you get **13.7984, 0.2233, 0.3238**, and if you desaturate by 10%, it is **13.9222, 0.2257, 0.3243**.

Distribution



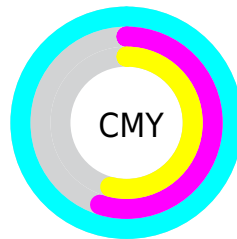
- Red (0%)
- Green (45%)
- Blue (46%)



- Red (0%)
- Yellow (23%)
- Blue (46%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (54%)




- Cyan (100%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7988, 0.2233, 0.3238 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 13.7988, 0.2233, 0.3238 by changing the saturation by 10% instead.


 13.7988, 0.2233,
0.3238


 13.7988, 0.2233,
0.3238


215.9755, 0.2756,
0.3283


 7.9809, 0.2070,
0.3214


 32.7316, 0.2445,
0.3262


 4.0827, 0.1837,
0.3172

 46.6153, 0.2518,
0.3268

 1.7199, 0.1483,
0.3082

 63.9563, 0.2577,
0.3272

 0.4365, 0.0000,
0.2820

 85.1390, 0.2625,
0.3276

 0.0000, 0.0000,
0.0000

 110.5479, 0.2666,
0.3278

 140.5674, 0.2700,

0.3280

175.5818, 0.2730,
0.3282

■ 13.7988, 0.2233,
0.3238

■ 13.7988, 0.2233,
0.3238

■ 13.7984, 0.2233,
0.3238

■ 13.9222, 0.2257,
0.3243

■ 14.0815, 0.2291,
0.3249

■ 14.3034, 0.2342,
0.3254

■ 14.5951, 0.2411,
0.3260

■ 14.9630, 0.2496,
0.3265

■ 15.4125, 0.2598,
0.3271

■ 15.9487, 0.2715,
0.3276

■ 16.5762, 0.2844,
0.3281

■ 17.2995, 0.2982,
0.3286

Harmonies

Analogous

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



13.7988, 0.2608, 0.3831



13.7988, 0.2233, 0.3238



13.7988, 0.2089, 0.2736

Triad

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



13.7988, 0.2233, 0.3238



13.7988, 0.3022, 0.2518



13.7988, 0.4130, 0.4088

Complementary

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



13.7988, 0.2233, 0.3238



3.8969, 0.6377, 0.3316

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.



13.7988, 0.4288, 0.3678



13.7988, 0.2233, 0.3238



13.7988, 0.3616, 0.2818

Square

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



13.7988, 0.2233, 0.3238



13.7988, 0.2509, 0.2382



13.7988, 0.4099, 0.3227



13.7988, 0.3704, 0.4334

Rectangle

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



13.7988, 0.2233, 0.3238



13.7988, 0.2127, 0.2517



13.7988, 0.4099, 0.3227



13.7988, 0.4218, 0.3963

Sweetspot

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



13.7993, 0.2233, 0.3238



27.9606, 0.2705, 0.3275



12.9614, 0.2995, 0.5981



6.3542, 0.2665, 0.3274



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.7993, 0.2233, 0.3238



24.2430, 0.2233, 0.3237



4.2426, 0.1775, 0.1590



4.1451, 0.2995, 0.3286



14.9266, 0.2233, 0.3238



72.6044, 0.2232, 0.3235

Inverse Universe

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



5.1143, 0.3250, 0.1565



8.9875, 0.3251, 0.1565



7.1901, 0.5302, 0.4171



3.7569, 0.3139, 0.3084



5.5308, 0.3250, 0.1564



26.9389, 0.3253, 0.1565

Previews

White Background



This preview shows how the Yxy color 13.7988, 0.2233, 0.3238 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 13.7988, 0.2233, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

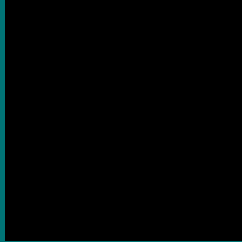
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7988, 0.2233, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 13.7988, 0.2233, 0.3238.



This preview shows how white text looks on a background with the Yxy color 13.7988, 0.2233, 0.3238.

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

13.7988, 0.2233, 0.3238

Protanopia

13.7693, 0.3050, 0.3140

Deuteranopia

13.6911, 0.2925, 0.2875



Tritanopia

13.8552, 0.2225, 0.3072

Trichromacy



Original Color

13.7988, 0.2233, 0.3238

Protanomaly

13.0756, 0.2567, 0.3170

Deuteranomaly

12.8574, 0.2502, 0.2963

Tritanomaly

13.7448, 0.2222, 0.3118

Monochromacy



Original Color

13.7988, 0.2233, 0.3238

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.5617, 0.2552, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7988, 0.2233, 0.3238 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, 116, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 118)  
}
```

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, 116, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 118) }
```

Border

The CSS property to change the border of an element to Yxy 13.7988, 0.2233, 0.3238 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, 116, 118) }
```

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

```
.border{ border-color:rgb(0, 116, 118) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7988, 0.2233, 0.3238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 118) }
```

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

```
.background{ background-color: rgb(0, 116,  
118) }
```

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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