

Converting Colors

$Yxy(13.8493, 0.2101, 0.2762)$

Have a look what the booklet for
 $Y_{xy}(13.8493, 0.2101, 0.2762)$
contains.

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Color

Yxy(13.8408, 0.2100, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	007289
RGB	0, 114, 137
RGB Percent	0%, 45%, 54%
CMY	1.0000, 0.5529, 0.4628
CMYK	1.00, 0.17, 0.00, 0.46
HSL	190°, 100%, 27%
HSV	190°, 100%, 54%
XYZ	10.5310, 13.8408, 25.7760
YIQ	82.5360, -75.3270, -17.0150

Conversions

Conversions Part 2

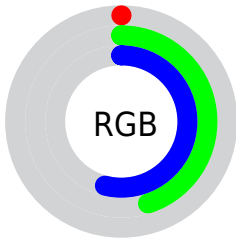
Format	Color
RYB	0, 62, 137
Decimal	29321
CIELab	44.00, -18.49, -20.27
CIELCh	44, 27.433, 227.630
Yxy	13.8408, 0.2100, 0.2760
Android (android.graphics.Color)	4278219401 (0xFF007289)
YUV	82.5360, 26.8508, -72.3841
Hunter-Lab	37.2032, -14.5780, -15.0364

Details

The Yxy color **13.8408, 0.2100, 0.2760** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.9286, 0.6198, 0.3460**, and the grayscale version is **8.5077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7840, 0.2340, 0.2905**, and **4.5845, 0.2042, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **13.8415, 0.2100, 0.2760**, and if you desaturate by 10%, it is **14.4574, 0.2139, 0.2818**.

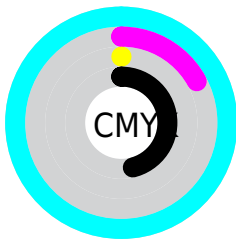
Distribution



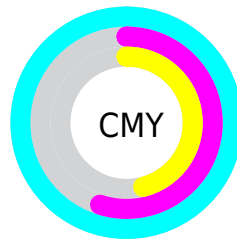
- Red (0%)
- Green (45%)
- Blue (54%)



- Red (0%)
- Yellow (24%)
- Blue (54%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (46%)





- Cyan (100%)
- Magenta (55%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8408, 0.2100, 0.2760 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 13.8408, 0.2100, 0.2760 by changing the saturation by 10% instead.


 13.8408, 0.2100,
0.2760


 13.8408, 0.2100,
0.2760


 216.2382, 0.2692,
0.3090


 8.0100, 0.1923,
0.2647


 32.8063, 0.2336,
0.2900


 4.1014, 0.1676,
0.2478

 46.7098, 0.2418,
0.2946


 1.7304, 0.1320,
0.2206

 64.0730, 0.2485,
0.2982

 0.4432, 0.0000,
0.1655

 85.2803, 0.2541,
0.3012

 0.0000, 0.0000,
0.0000

 110.7160, 0.2588,
0.3036

 140.7647, 0.2627,

0.3057

175.8106, 0.2662,
0.3075

■ 13.8408, 0.2100,
0.2760

■ 13.8408, 0.2100,
0.2760

■ 13.8415, 0.2100,
0.2760

■ 14.4574, 0.2139,
0.2818

■ 15.1429, 0.2189,
0.2876

■ 15.9290, 0.2258,
0.2935

■ 16.8265, 0.2345,
0.2993

■ 17.8447, 0.2448,
0.3049

■ 18.9917, 0.2566,
0.3104

■ 20.2750, 0.2696,
0.3155

■ 21.7014, 0.2834,
0.3204

■ 23.2772, 0.2979,
0.3249

Harmonies

Analogous

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



13.8408, 0.2254, 0.3265



13.8408, 0.2100, 0.2760



13.8408, 0.2185, 0.2463

Triad

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



13.8408, 0.2100, 0.2760



13.8408, 0.3586, 0.2807



13.8408, 0.3721, 0.4317

Complementary

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



13.8408, 0.2100, 0.2760



5.9286, 0.6198, 0.3460

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.



13.8408, 0.4134, 0.4065



13.8408, 0.2100, 0.2760



13.8408, 0.4072, 0.3209

Square

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



13.8408, 0.2100, 0.2760



13.8408, 0.2998, 0.2516



13.8408, 0.4275, 0.3656



13.8408, 0.3170, 0.4260

Rectangle

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



13.8408, 0.2100, 0.2760



13.8408, 0.2369, 0.2390



13.8408, 0.4275, 0.3656



13.8408, 0.3881, 0.4261

Sweetspot

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



13.8415, 0.2100, 0.2760



36.1599, 0.2687, 0.3152



17.9471, 0.2950, 0.5821



7.9180, 0.2639, 0.3134



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.8415, 0.2100, 0.2760



24.5907, 0.2097, 0.2748



3.7332, 0.1645, 0.1121



5.5483, 0.2991, 0.3252



12.9120, 0.2101, 0.2762



0.1033, 0.2178, 0.3040

Inverse Universe

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



6.5318, 0.3672, 0.1796



11.6802, 0.3683, 0.1803



12.8539, 0.4911, 0.4483



5.1148, 0.3161, 0.3110



6.0877, 0.3670, 0.1795



0.0422, 0.3419, 0.1657

Previews

White Background



This preview shows how the Yxy color 13.8408, 0.2100, 0.2760 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 13.8408, 0.2100, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

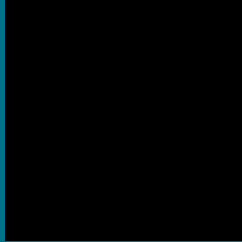
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8408, 0.2100, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 13.8408, 0.2100, 0.2760.



This preview shows how white text looks on a background with the Yxy color 13.8408, 0.2100, 0.2760.

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

13.8408, 0.2100, 0.2760

Protanopia

13.8821, 0.2745, 0.2752

Deuteranopia

13.7759, 0.2582, 0.2523



Tritanopia

13.7421, 0.2180, 0.3046

Trichromacy



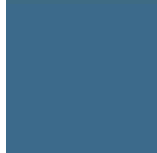
Original Color

13.8408, 0.2100, 0.2760



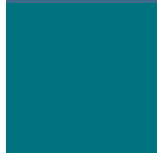
Protanomaly

13.2055, 0.2358, 0.2729



Deuteranomaly

13.1328, 0.2283, 0.2567



Tritanomaly

13.8464, 0.2154, 0.2956

Monochromacy



Original Color

13.8408, 0.2100, 0.2760



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

9.7416, 0.2478, 0.3048

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8408, 0.2100, 0.2760 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, 114, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 137)  
}
```

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, 114, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 137) }
```

Border

The CSS property to change the border of an element to Yxy 13.8408, 0.2100, 0.2760 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, 114, 137) }
```

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

```
.border{ border-color:rgb(0, 114, 137) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8408, 0.2100, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 137) }
```

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

```
.background{ background-color: rgb(0, 114,  
137) }
```

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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