

Converting Colors

$Y_{xy}(14.7293, 0.2273, 0.3200)$

Have a look what the booklet for
Yxy(14.7293, 0.2273, 0.3200)
contains.

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Color

$Y_{xy}(14.7810, 0.2277, 0.3216)$

Conversions

Conversions Part 1

Format	Color
Hex	17777A
RGB	23, 119, 122
RGB Percent	9%, 47%, 48%
CMY	0.9093, 0.5334, 0.5216
CMYK	0.81, 0.02, 0.00, 0.52
HSL	182°, 68%, 28%
HSV	182°, 81%, 48%
XYZ	10.4653, 14.7810, 20.7145
YIQ	90.6380, -58.1790, -19.4190

Conversions

Conversions Part 2

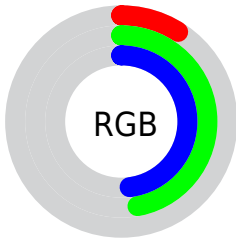
Format	Color
R _Y B	23, 72, 122
Decimal	1537914
CIE Lab	45.33, -24.72, -9.28
CIE LCh	45, 26.402, 200.581
Yxy	14.7810, 0.2277, 0.3216
Android (android.graphics.Color)	4279727994 (0xFF17777A)
YUV	90.6380, 15.4615, -59.3185
Hunter-Lab	38.4461, -18.6917, -5.0329

Details

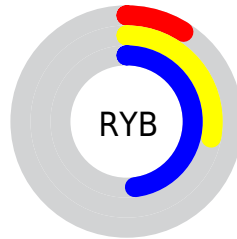
The Yxy color **14.7810, 0.2277, 0.3216** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.9452, 0.5772, 0.3337**, and the grayscale version is **10.3585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5873, 0.2478, 0.3255**, and **4.8614, 0.2215, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **14.5803, 0.2244, 0.3206**, and if you desaturate by 10%, it is **15.0495, 0.2327, 0.3226**.

Distribution



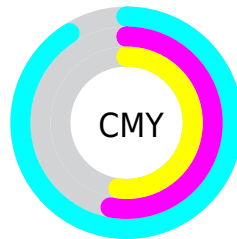
- Red (9%)
- Green (47%)
- Blue (48%)



- Red (9%)
- Yellow (28%)
- Blue (48%)



- Cyan (81%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)





- Cyan (91%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7810, 0.2277, 0.3216 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 14.7810, 0.2277, 0.3216 by changing the saturation by 10% instead.


 14.7810, 0.2277,
0.3216


 14.7810, 0.2277,
0.3216

 222.0368, 0.2770,
0.3273


 8.6658, 0.2125,
0.3190


 34.4685, 0.2476,
0.3244


 4.5239, 0.1910,
0.3145

 48.8097, 0.2544,
0.3252

 1.9707, 0.1585,
0.3058

 66.6616, 0.2600,
0.3258

 0.5904, 0.0000,
0.3074

 88.4087, 0.2646,
0.3262

 0.0000, 0.0000,
0.0000

 114.4354, 0.2684,
0.3266

 145.1260, 0.2717,

0.3268

180.8651, 0.2745,
0.3271

■ 14.7810, 0.2277,
0.3216

■ 14.7810, 0.2277,
0.3216

■ 14.5803, 0.2244,
0.3206

■ 15.0495, 0.2327,
0.3226

■ 14.4310, 0.2222,
0.3198

■ 15.3923, 0.2395,
0.3236

■ 15.8167, 0.2481,
0.3245

■ 16.3291, 0.2582,
0.3255

■ 16.9348, 0.2699,
0.3264

■ 17.6390, 0.2827,
0.3273

■ 18.4464, 0.2966,
0.3281

■ 19.3614, 0.3112,
0.3289

■ 20.3881, 0.3262,
0.3296

Harmonies

Analogous

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



14.7810, 0.2621, 0.3764



14.7810, 0.2277, 0.3216



14.7810, 0.2152, 0.2756

Triad

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



14.7810, 0.2277, 0.3216



14.7810, 0.3061, 0.2577



14.7810, 0.4050, 0.4058

Complementary

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



14.7810, 0.2277, 0.3216



4.9452, 0.5772, 0.3337

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.



14.7810, 0.4209, 0.3683



14.7810, 0.2277, 0.3216



14.7810, 0.3613, 0.2867

Square

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



14.7810, 0.2277, 0.3216



14.7810, 0.2572, 0.2440



14.7810, 0.4049, 0.3258



14.7810, 0.3643, 0.4267

Rectangle

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



14.7810, 0.2277, 0.3216



14.7810, 0.2195, 0.2556



14.7810, 0.4049, 0.3258



14.7810, 0.4136, 0.3945

Sweetspot

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



14.7815, 0.2277, 0.3216



30.5719, 0.2781, 0.3270



14.1728, 0.3007, 0.5690



6.9086, 0.2743, 0.3267



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.7815, 0.2277, 0.3216



25.4278, 0.2227, 0.3199



6.0852, 0.1944, 0.1934



4.4925, 0.2994, 0.3283



15.1904, 0.2222, 0.3198



72.2231, 0.2220, 0.3193

Inverse Universe

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



6.0877, 0.3262, 0.1702



9.6965, 0.3283, 0.1595



9.1266, 0.4886, 0.4188



4.0755, 0.3141, 0.3085



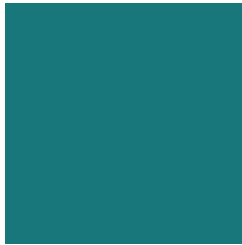
5.7404, 0.3284, 0.1583



27.3581, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 14.7810, 0.2277, 0.3216 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 14.7810, 0.2277, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

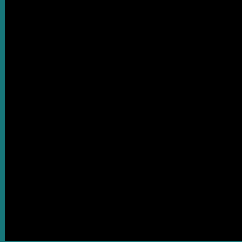
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 14.7810, 0.2277, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 14.7810, 0.2277, 0.3216.



This preview shows how white text looks on a background with the Yxy color 14.7810, 0.2277, 0.3216.

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

14.7810, 0.2277, 0.3216

Protanopia

14.6488, 0.3039, 0.3123

Deuteranopia

14.5694, 0.2918, 0.2866



Tritanopia

14.7766, 0.2250, 0.3056

Trichromacy



Original Color

14.7810, 0.2277, 0.3216

Protanomaly

14.2310, 0.2649, 0.3153

Deuteranomaly

13.9703, 0.2574, 0.2956

Tritanomaly

14.6962, 0.2256, 0.3100

Monochromacy



Original Color

14.7810, 0.2277, 0.3216

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.4249, 0.2656, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7810, 0.2277, 0.3216 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(23, 119, 122)` looks like.

```
.text, #text, p{  
  color:rgb(23, 119, 122)  
}
```

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(23, 119, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 119, 122) }
```

Border

The CSS property to change the border of an element to Yxy 14.7810, 0.2277, 0.3216 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(23, 119, 122) }
```

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

```
.border{ border-color:rgb(23, 119, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 119, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 119, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 119, 122);  
box-shadow:4px 4px 4px 4px rgb(23, 119,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7810, 0.2277, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 119, 122) }
```

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

```
.background{ background-color: rgb(23, 119,  
122) }
```

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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