

Converting Colors

$Y_{xy}(14.8736, 0.2258, 0.3200)$

Have a look what the booklet for
Yxy(14.8736, 0.2258, 0.3200)
contains.

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Color

$\text{Yxy}(14.7523, 0.2255, 0.3192)$

Conversions

Conversions Part 1

Format	Color
Hex	12777B
RGB	18, 119, 123
RGB Percent	7%, 47%, 48%
CMY	0.9295, 0.5333, 0.5176
CMYK	0.85, 0.03, 0.00, 0.52
HSL	182°, 74%, 28%
HSV	182°, 85%, 48%
XYZ	10.4218, 14.7523, 21.0424
YIQ	89.2570, -61.4800, -20.1680

Conversions

Conversions Part 2

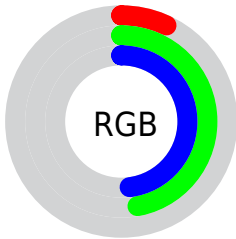
Format	Color
RYB	18, 69, 123
Decimal	1210235
CIELab	45.29, -24.88, -9.95
CIELCh	45, 26.795, 201.806
Yxy	14.7523, 0.2255, 0.3192
Android (android.graphics.Color)	4279400315 (0xFF12777B)
YUV	89.2570, 16.6353, -62.4924
Hunter-Lab	38.4087, -18.7811, -5.5961

Details

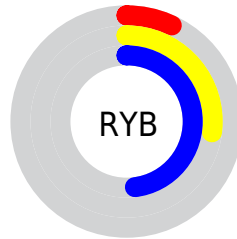
The Yxy color **14.7523, 0.2255, 0.3192** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.8295, 0.5929, 0.3343**, and the grayscale version is **10.0217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5315, 0.2461, 0.3239**, and **4.8747, 0.2205, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **14.5494, 0.2227, 0.3180**, and if you desaturate by 10%, it is **15.0169, 0.2299, 0.3204**.

Distribution



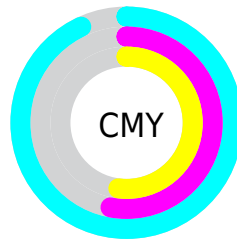
- Red (7%)
- Green (47%)
- Blue (48%)



- Red (7%)
- Yellow (27%)
- Blue (48%)



- Cyan (85%)
- Magenta (3%)
- Yellow (0%)
- Black (52%)





- Cyan (93%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7523, 0.2255, 0.3192 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 14.7523, 0.2255, 0.3192 by changing the saturation by 10% instead.


 14.7523, 0.2255,
0.3192

 14.7523, 0.2255,
0.3192


221.8620, 0.2760,
0.3264


 8.6457, 0.2100,
0.3161


 34.4181, 0.2458,
0.3226


 4.5108, 0.1881,
0.3108

 48.7460, 0.2529,
0.3236


 1.9632, 0.1551,
0.3007

 66.5832, 0.2585,
0.3244

 0.5860, 0.0000,
0.2976

 88.3141, 0.2633,
0.3250

 0.0000, 0.0000,
0.0000

 114.3230, 0.2672,
0.3254

 144.9944, 0.2706,

0.3258

180.7126, 0.2735,
0.3261

■ 14.7523, 0.2255,
0.3192

■ 14.7523, 0.2255,
0.3192

■ 14.5494, 0.2227,
0.3180

■ 15.0169, 0.2299,
0.3204

■ 14.4614, 0.2215,
0.3174

■ 15.3541, 0.2360,
0.3217

■ 15.7718, 0.2439,
0.3229

■ 16.2766, 0.2534,
0.3241

■ 16.8744, 0.2645,
0.3253

■ 17.5707, 0.2769,
0.3264

■ 18.3703, 0.2904,
0.3275

■ 19.2779, 0.3048,
0.3285

■ 20.2978, 0.3196,
0.3294

Harmonies

Analogous

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



14.7523, 0.2595, 0.3750



14.7523, 0.2255, 0.3192



14.7523, 0.2138, 0.2732

Triad

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



14.7523, 0.2255, 0.3192



14.7523, 0.3082, 0.2576



14.7523, 0.4050, 0.4082

Complementary

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



14.7523, 0.2255, 0.3192



4.8295, 0.5929, 0.3343

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.



14.7523, 0.4225, 0.3704



14.7523, 0.2255, 0.3192



14.7523, 0.3642, 0.2876

Square

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



14.7523, 0.2255, 0.3192



14.7523, 0.2581, 0.2430



14.7523, 0.4076, 0.3274



14.7523, 0.3630, 0.4285

Rectangle

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



14.7523, 0.2255, 0.3192



14.7523, 0.2188, 0.2536



14.7523, 0.4076, 0.3274



14.7523, 0.4142, 0.3968

Sweetspot

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



14.7528, 0.2255, 0.3192



31.2890, 0.2753, 0.3263



14.3545, 0.2997, 0.5756



7.2831, 0.2717, 0.3260



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



14.7528, 0.2255, 0.3192



25.8402, 0.2214, 0.3172



5.5729, 0.1886, 0.1802



4.4874, 0.2994, 0.3281



14.9540, 0.2215, 0.3174



71.0376, 0.2213, 0.3168

Inverse Universe

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



5.9761, 0.3284, 0.1675



9.8908, 0.3306, 0.1595



9.1533, 0.4954, 0.4227



4.0750, 0.3142, 0.3087



5.7165, 0.3304, 0.1594



27.2385, 0.3309, 0.1597

Previews

White Background



This preview shows how the Yxy color 14.7523, 0.2255, 0.3192 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 14.7523, 0.2255, 0.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

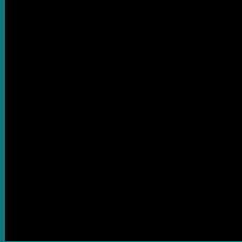
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7523, 0.2255, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 14.7523, 0.2255, 0.3192.



This preview shows how white text looks on a background with the Yxy color 14.7523, 0.2255, 0.3192.

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

14.7523, 0.2255, 0.3192

Protanopia

14.6100, 0.3014, 0.3102

Deuteranopia

14.5951, 0.2907, 0.2847



Tritanopia

14.7096, 0.2233, 0.3055

Trichromacy



Original Color

14.7523, 0.2255, 0.3192

Protanomaly

14.1327, 0.2608, 0.3130

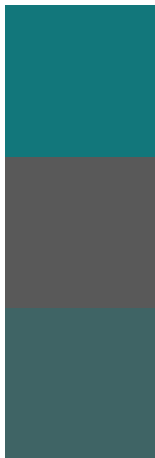
Deuteranomaly

13.9138, 0.2545, 0.2933

Tritanomaly

14.6338, 0.2240, 0.3099

Monochromacy



Original Color

14.7523, 0.2255, 0.3192

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.1107, 0.2630, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7523, 0.2255, 0.3192 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(18, 119, 123)` looks like.

```
.text, #text, p{  
    color:rgb(18, 119, 123)  
}
```

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(18, 119, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 119, 123) }
```

Border

The CSS property to change the border of an element to Yxy 14.7523, 0.2255, 0.3192 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(18, 119, 123) }
```

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

```
.border{ border-color:rgb(18, 119, 123) }
```

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

Here you see how a box with a 4 pixel rgb(18, 119, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 119, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 119, 123);  
box-shadow:4px 4px 4px 4px rgb(18, 119,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7523, 0.2255, 0.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 119, 123) }
```

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

```
.background{ background-color: rgb(18, 119,  
123) }
```

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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