

Converting Colors

$Y_{xy}(14.9608, 0.2437, 0.3162)$

Have a look what the booklet for
Yxy(14.9608, 0.2437, 0.3162)
contains.

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Color

Yxy(14.9685, 0.2439, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	38757A
RGB	56, 117, 122
RGB Percent	22%, 46%, 48%
CMY	0.7804, 0.5412, 0.5215
CMYK	0.54, 0.04, 0.00, 0.52
HSL	185°, 37%, 35%
HSV	185°, 54%, 48%
XYZ	11.5059, 14.9685, 20.7002
YIQ	99.3310, -37.9610, -11.3770

Conversions

Conversions Part 2

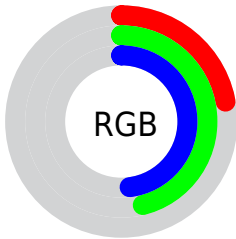
Format	Color
RYB	56, 88, 122
Decimal	3700090
CIELab	45.59, -18.14, -8.81
CIElCh	46, 20.163, 205.907
Yxy	14.9685, 0.2439, 0.3173
Android (android.graphics.Color)	4281890170 (0xFF38757A)
YUV	99.3310, 11.1758, -38.0013
Hunter-Lab	38.6891, -14.6213, -4.6401

Details

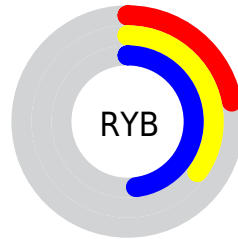
The Yxy color **14.9685, 0.2439, 0.3173** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.7641, 0.4553, 0.3395**, and the grayscale version is **12.5444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6831, 0.2603, 0.3209**, and **4.6153, 0.2193, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **14.4443, 0.2354, 0.3148**, and if you desaturate by 10%, it is **15.5817, 0.2541, 0.3197**.

Distribution



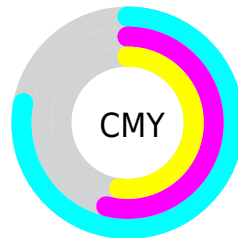
- Red (22%)
- Green (46%)
- Blue (48%)



- Red (22%)
- Yellow (35%)
- Blue (48%)



- Cyan (54%)
- Magenta (4%)
- Yellow (0%)
- Black (52%)




- Cyan (78%)
- Magenta (54%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 14.9685, 0.2439, 0.3173 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 14.9685, 0.2439, 0.3173 by changing the saturation by 10% instead.


 14.9685, 0.2439,
0.3173


 14.9685, 0.2439,
0.3173


 223.1755, 0.2840,
0.3251


 8.7973, 0.2314,
0.3143


 34.7979, 0.2601,
0.3208


 4.6092, 0.2136,
0.3094

 49.2249, 0.2657,
0.3219

 2.0198, 0.1861,
0.3006

 67.1726, 0.2702,
0.3227

 0.6190, 0.0696,
0.2958

 89.0254, 0.2739,
0.3234

 0.0000, 0.0000,
0.0000

 115.1677, 0.2770,
0.3239

 145.9839, 0.2797,

0.3244

181.8583, 0.2820,
0.3248

■ 14.9685, 0.2439,
0.3173

■ 14.9685, 0.2439,
0.3173

■ 14.4443, 0.2354,
0.3148

■ 15.5817, 0.2541,
0.3197

■ 14.0010, 0.2285,
0.3123

■ 16.2879, 0.2657,
0.3220

■ 13.6321, 0.2235,
0.3099

■ 17.0929, 0.2785,
0.3243

■ 13.3274, 0.2201,
0.3074

■ 18.0015, 0.2922,
0.3263

■ 13.1589, 0.2183,
0.3059

■ 19.0183, 0.3067,
0.3283

■ 20.1473, 0.3215,
0.3300

■ 21.3928, 0.3366,
0.3316

■ 22.7584, 0.3516,
0.3331

■ 24.2478, 0.3665,
0.3343

Harmonies

Analogous

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



14.9685, 0.2684, 0.3577



14.9685, 0.2439, 0.3173



14.9685, 0.2369, 0.2840

Triad

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



14.9685, 0.2439, 0.3173



14.9685, 0.3156, 0.2765



14.9685, 0.3794, 0.3928

Complementary

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



14.9685, 0.2439, 0.3173



7.7641, 0.4553, 0.3395

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.



14.9685, 0.3947, 0.3665



14.9685, 0.2439, 0.3173



14.9685, 0.3567, 0.3015

Square

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



14.9685, 0.2439, 0.3173



14.9685, 0.2762, 0.2635



14.9685, 0.3865, 0.3335



14.9685, 0.3464, 0.4033

Rectangle

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



14.9685, 0.2439, 0.3173



14.9685, 0.2425, 0.2698



14.9685, 0.3865, 0.3335



14.9685, 0.3869, 0.3853

Sweetspot

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



14.9691, 0.2439, 0.3173



31.2793, 0.2890, 0.3259



15.0945, 0.3013, 0.4828



7.0921, 0.2868, 0.3255



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.



14.9691, 0.2439, 0.3173



25.1994, 0.2335, 0.3142



8.6822, 0.2279, 0.2366



4.4628, 0.2994, 0.3273



13.8449, 0.2183, 0.3059



65.4856, 0.2180, 0.3046

Inverse Universe

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



8.2519, 0.3273, 0.2134



12.2550, 0.3311, 0.1929



12.3255, 0.4166, 0.4045



4.0725, 0.3147, 0.3095



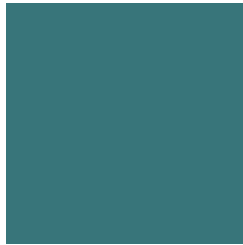
5.6045, 0.3403, 0.1648



26.6780, 0.3414, 0.1654

Previews

White Background



This preview shows how the Yxy color 14.9685, 0.2439, 0.3173 looks on a white background.

Color Contrast Check

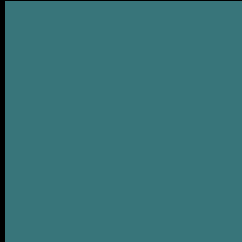
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9685, 0.2439, 0.3173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

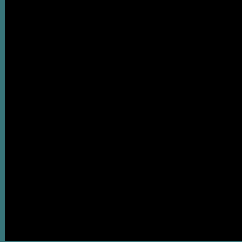
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9685, 0.2439, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 14.9685, 0.2439, 0.3173.



This preview shows how white text looks on a background with the Yxy color 14.9685, 0.2439, 0.3173.

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

14.9685, 0.2439, 0.3173

Protanopia

14.9021, 0.3015, 0.3104

Deuteranopia

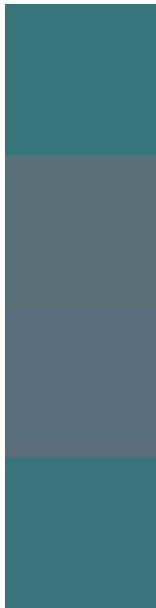
14.8988, 0.2945, 0.2890



Tritanopia

14.8670, 0.2409, 0.3062

Trichromacy



Original Color

14.9685, 0.2439, 0.3173

Protanomaly

14.7516, 0.2760, 0.3136

Deuteranomaly

14.5662, 0.2715, 0.2969

Tritanomaly

14.8413, 0.2417, 0.3084

Monochromacy



Original Color

14.9685, 0.2439, 0.3173

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.2086, 0.2813, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9685, 0.2439, 0.3173 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(56, 117, 122)` looks like.

```
.text, #text, p{  
    color:rgb(56, 117, 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(56, 117, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 117, 122) }
```

Border

The CSS property to change the border of an element to Yxy 14.9685, 0.2439, 0.3173 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(56, 117, 122) }
```

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

```
.border{ border-color:rgb(56, 117, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 117, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 117, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 117, 122);  
box-shadow:4px 4px 4px 4px rgb(56, 117,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9685, 0.2439, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 117, 122) }
```

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

```
.background{ background-color: rgb(56, 117,  
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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