

Converting Colors

$Y_{xy}(15.3513, 0.2359, 0.3223)$

Have a look what the booklet for
Yxy(15.3513, 0.2359, 0.3223)
contains.

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Color

$Y_{xy}(15.3552, 0.2357, 0.3218)$

Conversions

Conversions Part 1

Format	Color
Hex	2A787B
RGB	42, 120, 123
RGB Percent	16%, 47%, 48%
CMY	0.8353, 0.5294, 0.5176
CMYK	0.66, 0.02, 0.00, 0.52
HSL	182°, 49%, 32%
HSV	182°, 66%, 48%
XYZ	11.2468, 15.3552, 21.1146
YIQ	97.0200, -47.4510, -15.6030

Conversions

Conversions Part 2

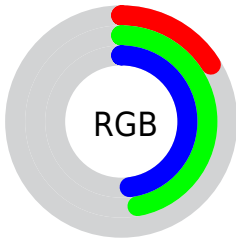
Format	Color
R_{YB}	42, 82, 123
Decimal	2783355
CIE _{Lab}	46.12, -22.27, -8.67
CIE _{LCh}	46, 23.900, 201.257
Yxy	15.3552, 0.2357, 0.3218
Android (android.graphics.Color)	4280973435 (0xFF2A787B)
YUV	97.0200, 12.8081, -48.2525
Hunter-Lab	39.1857, -17.3432, -4.5175




Details

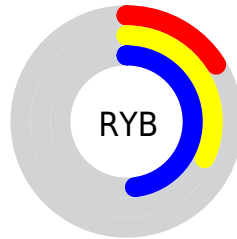
The Yxy color **15.3552, 0.2357, 0.3218** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.2564, 0.5100, 0.3350**, and the grayscale version is **11.9358, 0.3127, 0.3290**.




A 20% lighter version of the original color is **35.6349, 0.2543, 0.3256**, and **5.0009, 0.2215, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **15.0253, 0.2297, 0.3206**, and if you desaturate by 10%, it is **15.7665, 0.2435, 0.3230**.

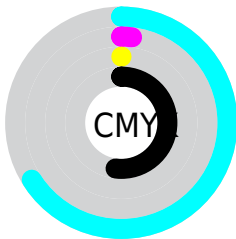
Distribution







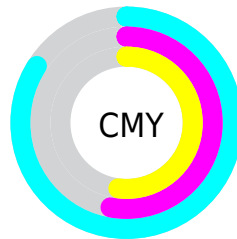
-  Red (16%)
-  Green (47%)
-  Blue (48%)






-  Red (16%)
-  Yellow (32%)
-  Blue (48%)



-  Cyan (66%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (52%)



-  Cyan (84%)
-  Magenta (53%)
-  Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3552, 0.2357, 0.3218 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 15.3552, 0.2357, 0.3218 by changing the saturation by 10% instead.

15.3552, 0.2357,
0.3218

15.3552, 0.2357,
0.3218

225.5062, 0.2803,
0.3271

9.0691, 0.2220,
0.3195

35.4751, 0.2537,
0.3243

4.7863, 0.2025,
0.3156

50.0777, 0.2598,
0.3251

2.1224, 0.1730,
0.3081

68.2211, 0.2649,
0.3256

0.6772, 0.0460,
0.3118

90.2899, 0.2690,
0.3261

0.0000, 0.0000,
0.0000

116.6684, 0.2725,
0.3264

147.7411, 0.2755,

0.3267

183.8922, 0.2780,
0.3269

■ 15.3552, 0.2357,
0.3218

■ 15.3552, 0.2357,
0.3218

■ 15.0253, 0.2297,
0.3206

■ 15.7665, 0.2435,
0.3230

■ 14.7674, 0.2254,
0.3194

■ 16.2639, 0.2530,
0.3242

■ 14.5687, 0.2226,
0.3182

■ 16.8541, 0.2640,
0.3253

■ 14.4910, 0.2216,
0.3177

■ 17.5424, 0.2763,
0.3264

■ 18.3338, 0.2898,
0.3275

■ 19.2330, 0.3041,
0.3285

■ 20.2443, 0.3189,
0.3294

■ 21.3718, 0.3341,
0.3302

■ 22.6194, 0.3494,
0.3309

Harmonies

Analogous

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



15.3552, 0.2666, 0.3701



15.3552, 0.2357, 0.3218



15.3552, 0.2246, 0.2807

Triad

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



15.3552, 0.2357, 0.3218



15.3552, 0.3081, 0.2649



15.3552, 0.3950, 0.3992

Complementary

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



15.3552, 0.2357, 0.3218



6.2564, 0.5100, 0.3350

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.



15.3552, 0.4095, 0.3660



15.3552, 0.2357, 0.3218



15.3552, 0.3573, 0.2917

Square

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



15.3552, 0.2357, 0.3218



15.3552, 0.2637, 0.2522



15.3552, 0.3956, 0.3275



15.3552, 0.3585, 0.4163

Rectangle

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



15.3552, 0.2357, 0.3218



15.3552, 0.2288, 0.2627



15.3552, 0.3956, 0.3275



15.3552, 0.4028, 0.3893

Sweetspot

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



15.3558, 0.2357, 0.3218



32.1435, 0.2834, 0.3270



14.8488, 0.3014, 0.5261



7.4936, 0.2803, 0.3268



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.



15.3558, 0.2357, 0.3218



26.6498, 0.2273, 0.3200



7.6311, 0.2119, 0.2190



4.4881, 0.2994, 0.3282



14.9852, 0.2216, 0.3177



71.1940, 0.2214, 0.3171

Inverse Universe

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



7.2236, 0.3250, 0.1895



11.0677, 0.3275, 0.1711



10.9084, 0.4484, 0.4127



4.0751, 0.3142, 0.3087



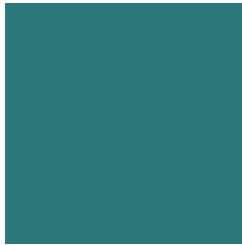
5.7196, 0.3301, 0.1592



27.2543, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 15.3552, 0.2357, 0.3218 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 15.3552, 0.2357, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

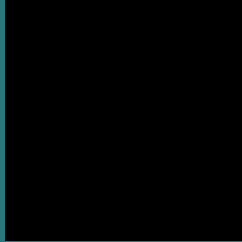
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3552, 0.2357, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 15.3552, 0.2357, 0.3218.

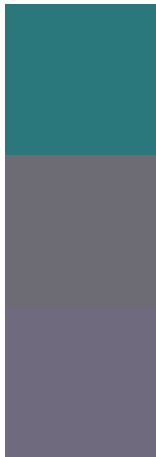


This preview shows how white text looks on a background with the Yxy color 15.3552, 0.2357, 0.3218.

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

15.3552, 0.2357, 0.3218

Protanopia

15.2373, 0.3041, 0.3126

Deuteranopia

15.1939, 0.2946, 0.2893



Tritanopia

15.3365, 0.2324, 0.3062

Trichromacy



Original Color

15.3552, 0.2357, 0.3218

Protanomaly

14.8515, 0.2717, 0.3136

Deuteranomaly

14.8280, 0.2665, 0.2988

Tritanomaly

15.2614, 0.2333, 0.3105

Monochromacy



Original Color

15.3552, 0.2357, 0.3218

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.7215, 0.2750, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3552, 0.2357, 0.3218 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(42, 120, 123)` looks like.

```
.text, #text, p{  
  color:rgb(42, 120, 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(42, 120, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 120, 123) }
```

Border

The CSS property to change the border of an element to Yxy 15.3552, 0.2357, 0.3218 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(42, 120, 123) }
```

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

```
.border{ border-color:rgb(42, 120, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 120, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 120, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 120, 123);  
box-shadow:4px 4px 4px 4px rgb(42, 120,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3552, 0.2357, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 120, 123) }
```

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

```
.background{ background-color: rgb(42, 120,  
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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