

Converting Colors

$Y_{xy}(15.6589, 0.2409, 0.3562)$

Have a look what the booklet for
Yxy(15.6589, 0.2409, 0.3562)
contains.

Yxy(15.6428, 0.2408, 0.3552)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6428, 0.2408, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	207B70
RGB	32, 123, 112
RGB Percent	13%, 48%, 44%
CMY	0.8743, 0.5177, 0.5608
CMYK	0.74, 0.00, 0.09, 0.52
HSL	173°, 59%, 30%
HSV	173°, 74%, 48%
XYZ	10.6047, 15.6428, 17.7919
YIQ	94.5370, -50.7050, -22.7130

Conversions

Conversions Part 2

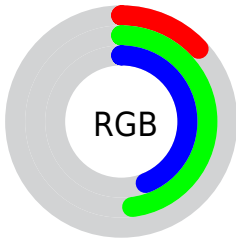
Format	Color
R_{YB}	32, 80, 123
Decimal	2128752
CIE _{Lab}	46.50, -28.70, -1.58
CIE _{LCh}	47, 28.742, 183.149
Yxy	15.6428, 0.2408, 0.3552
Android (android.graphics.Color)	4280318832 (0xFF207B70)
YUV	94.5370, 8.6093, -54.8449
Hunter-Lab	39.5510, -21.3535, 1.0142

Details

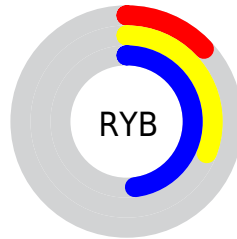
The Yxy color **15.6428, 0.2408, 0.3552** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.4214, 0.5243, 0.3116**, and the grayscale version is **11.3194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0063, 0.2579, 0.3485**, and **5.1353, 0.2344, 0.3639** is the 20% darker color. If you saturate the color by 10%, you get **15.4488, 0.2374, 0.3592**, and if you desaturate by 10%, it is **15.9122, 0.2460, 0.3512**.

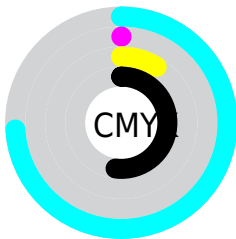
Distribution



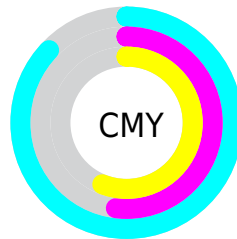
- Red (13%)
- Green (48%)
- Blue (44%)



- Red (13%)
- Yellow (31%)
- Blue (48%)



- Cyan (74%)
- Magenta (0%)
- Yellow (9%)
- Black (52%)





- Cyan (87%)
- Magenta (52%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6428, 0.2408, 0.3552 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 15.6428, 0.2408, 0.3552 by changing the saturation by 10% instead.


 15.6428, 0.2408,
0.3552


 15.6428, 0.2408,
0.3552


 227.2246, 0.2828,
0.3401


 9.2717, 0.2277,
0.3598


 35.9770, 0.2578,
0.3492


 4.9189, 0.2088,
0.3662

 50.7089, 0.2637,
0.3471


 2.1997, 0.1796,
0.3758

 68.9965, 0.2684,
0.3454

 0.7198, 0.0000,
0.4460

 91.2243, 0.2723,
0.3440

 0.0000, 0.0000,
0.0000

 117.7766, 0.2755,
0.3428

 149.0378, 0.2783,

0.3418

185.3924, 0.2807,
0.3409

■ 15.6428, 0.2408,
0.3552

■ 15.6428, 0.2408,
0.3552

■ 15.4488, 0.2374,
0.3592

■ 15.9122, 0.2460,
0.3512

■ 15.3184, 0.2357,
0.3633

■ 16.2625, 0.2529,
0.3472

■ 15.2510, 0.2349,
0.3657

■ 16.7008, 0.2614,
0.3434

■ 17.2328, 0.2714,
0.3397

■ 17.8640, 0.2825,
0.3363

■ 18.5992, 0.2947,
0.3331

■ 19.4430, 0.3075,
0.3301

■ 20.3997, 0.3208,
0.3274

■ 21.4734, 0.3344,
0.3250

Harmonies

Analogous

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



15.6428, 0.2880, 0.4090



15.6428, 0.2408, 0.3552



15.6428, 0.2139, 0.2980

Triad

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



15.6428, 0.2408, 0.3552



15.6428, 0.2735, 0.2427



15.6428, 0.4249, 0.3881

Complementary

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



15.6428, 0.2408, 0.3552



5.4214, 0.5243, 0.3116

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.



15.6428, 0.4226, 0.3440



15.6428, 0.2408, 0.3552



15.6428, 0.3303, 0.2645

Square

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



15.6428, 0.2408, 0.3552



15.6428, 0.2315, 0.2393



15.6428, 0.3868, 0.3004



15.6428, 0.3951, 0.4230

Rectangle

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



15.6428, 0.2408, 0.3552



15.6428, 0.2093, 0.2685



15.6428, 0.3868, 0.3004



15.6428, 0.4280, 0.3739

Sweetspot

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



15.6434, 0.2408, 0.3552



32.1639, 0.2842, 0.3358



14.8094, 0.3109, 0.5488



7.5121, 0.2816, 0.3365



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.



15.6434, 0.2408, 0.3552



27.4875, 0.2360, 0.3622



8.9916, 0.2116, 0.2440



4.5045, 0.3009, 0.3316



15.7771, 0.2349, 0.3658



75.1748, 0.2355, 0.3679

Inverse Universe

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



5.4214, 0.5243, 0.3116



8.0838, 0.5921, 0.3161



8.1420, 0.4953, 0.3899



4.0222, 0.3260, 0.3264



4.3910, 0.6195, 0.3186



20.8759, 0.6279, 0.3233

Previews

White Background



This preview shows how the Yxy color 15.6428, 0.2408, 0.3552 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 15.6428, 0.2408, 0.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

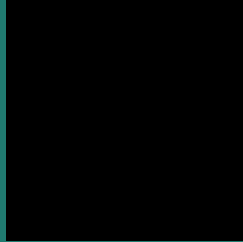
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6428, 0.2408, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 15.6428, 0.2408, 0.3552.

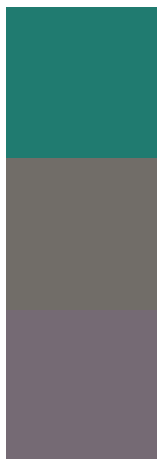


This preview shows how white text looks on a background with the Yxy color 15.6428, 0.2408, 0.3552.

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

15.6428, 0.2408, 0.3552

Protanopia

15.4475, 0.3246, 0.3393

Deuteranopia

15.3509, 0.3150, 0.3092



Tritanopia

15.5582, 0.2311, 0.3062

Trichromacy



Original Color

15.6428, 0.2408, 0.3552

Protanomaly

14.9810, 0.2836, 0.3447

Deuteranomaly

14.8046, 0.2770, 0.3223

Tritanomaly

15.5361, 0.2347, 0.3241

Monochromacy



Original Color

15.6428, 0.2408, 0.3552

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.4205, 0.2747, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6428, 0.2408, 0.3552 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(32, 123, 112)` looks like.

```
.text, #text, p{  
  color:rgb(32, 123, 112)  
}
```

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(32, 123, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 123, 112) }
```

Border

The CSS property to change the border of an element to Yxy 15.6428, 0.2408, 0.3552 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(32, 123, 112) }
```

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

```
.border{ border-color:rgb(32, 123, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 123, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 123, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 123, 112);  
box-shadow:4px 4px 4px 4px rgb(32, 123,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6428, 0.2408, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 123, 112) }
```

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

```
.background{ background-color: rgb(32, 123,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor