

Converting Colors

$Yxy(13.8695, 0.1676, 0.2585)$

Have a look what the booklet for
Yxy(13.8695, 0.1676, 0.2585)
contains.

Yxy(15.3636, 0.2067, 0.2642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(15.3636, 0.2067, 0.2642)$

Conversions

Conversions Part 1

Format	Color
Hex	007795
RGB	0, 119, 149
RGB Percent	0%, 47%, 58%
CMY	1.0000, 0.5333, 0.4157
CMYK	1.00, 0.20, 0.00, 0.42
HSL	192°, 100%, 29%
HSV	192°, 100%, 58%
XYZ	12.0199, 15.3636, 30.7679
YIQ	86.8390, -80.5540, -15.8980

Conversions

Conversions Part 2

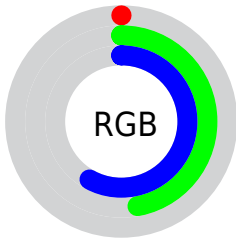
Format	Color
RYB	0, 66, 149
Decimal	30613
CIELab	46.13, -16.82, -24.13
CIELCh	46, 29.411, 235.112
Yxy	15.3636, 0.2067, 0.2642
Android (android.graphics.Color)	4278220693 (0xFF007795)
YUV	86.8390, 30.6454, -76.1578
Hunter-Lab	39.1964, -13.8553, -19.1032

Details

The Yxy color **15.3636, 0.2067, 0.2642** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **7.3186, 0.6149, 0.3500**, and the grayscale version is **9.4415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3689, 0.2304, 0.2801**, and **5.2622, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **15.3654, 0.2067, 0.2642**, and if you desaturate by 10%, it is **16.1916, 0.2108, 0.2713**.

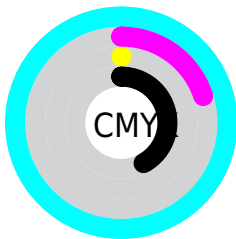
Distribution



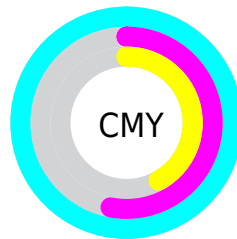
- Red (0%)
- Green (47%)
- Blue (58%)



- Red (0%)
- Yellow (26%)
- Blue (58%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (53%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.3636, 0.2067, 0.2642 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 15.3636, 0.2067, 0.2642 by changing the saturation by 10% instead.

15.3636, 0.2067,
0.2642

15.3636, 0.2067,
0.2642

225.5566, 0.2667,
0.3033

9.0750, 0.1893,
0.2516

35.4898, 0.2303,
0.2804

4.7901, 0.1657,
0.2334

50.0961, 0.2386,
0.2858

2.1246, 0.1325,
0.2055

68.2438, 0.2454,
0.2902

0.6784, 0.0558,
0.1615

90.3173, 0.2511,
0.2938

0.0000, 0.0000,
0.0000

116.7009, 0.2559,
0.2968

147.7791, 0.2600,

0.2993

183.9361, 0.2635,
0.3014

■ 15.3636, 0.2067,
0.2642

■ 15.3636, 0.2067,
0.2642

■ 15.3654, 0.2067,
0.2642

■ 16.1916, 0.2108,
0.2713

■ 17.1121, 0.2163,
0.2785

■ 18.1614, 0.2236,
0.2857

■ 19.3528, 0.2327,
0.2928

■ 20.6980, 0.2435,
0.2997

■ 22.2071, 0.2557,
0.3064

■ 23.8894, 0.2690,
0.3127

■ 25.7533, 0.2831,
0.3186

■ 27.8067, 0.2978,
0.3240

Harmonies

Analogous

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



15.3636, 0.2163, 0.3116



15.3636, 0.2067, 0.2642



15.3636, 0.2214, 0.2396

Triad

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



15.3636, 0.2067, 0.2642



15.3636, 0.3746, 0.2886



15.3636, 0.3604, 0.4375

Complementary

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



15.3636, 0.2067, 0.2642



7.3186, 0.6149, 0.3500

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.



15.3636, 0.4081, 0.4176



15.3636, 0.2067, 0.2642



15.3636, 0.4191, 0.3318

Square

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



15.3636, 0.2067, 0.2642



15.3636, 0.3143, 0.2552



15.3636, 0.4310, 0.3777



15.3636, 0.3024, 0.4223

Rectangle

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



15.3636, 0.2067, 0.2642



15.3636, 0.2440, 0.2359



15.3636, 0.4310, 0.3777



15.3636, 0.3782, 0.4342

Sweetspot

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



15.3654, 0.2067, 0.2642



42.5866, 0.2681, 0.3123



21.5895, 0.2938, 0.5777



9.1774, 0.2630, 0.3099



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



15.3654, 0.2067, 0.2642



27.2565, 0.2063, 0.2628



4.0242, 0.1618, 0.1025



6.3659, 0.2990, 0.3244



12.9733, 0.2069, 0.2647



0.1992, 0.2163, 0.2985

Inverse Universe

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



7.7222, 0.3783, 0.1858



13.8022, 0.3797, 0.1865



16.3521, 0.4831, 0.4546



5.8894, 0.3166, 0.3115



6.5030, 0.3779, 0.1855



0.0837, 0.3467, 0.1684

Previews

White Background



This preview shows how the Yxy color 15.3636, 0.2067, 0.2642 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 15.3636, 0.2067, 0.2642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

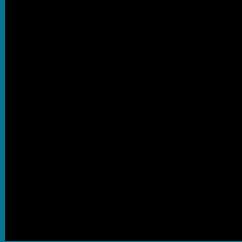
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3636, 0.2067, 0.2642

Background



This preview shows how black text looks on a background with the Yxy color 15.3636, 0.2067, 0.2642.

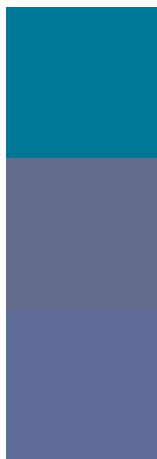


This preview shows how white text looks on a background with the Yxy color 15.3636, 0.2067, 0.2642.

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

15.3636, 0.2067, 0.2642

Protanopia

15.3575, 0.2653, 0.2642

Deuteranopia

15.4250, 0.2499, 0.2447



Tritanopia

15.3134, 0.2182, 0.3057

Trichromacy



Original Color

15.3636, 0.2067, 0.2642

Protanomaly

14.6919, 0.2304, 0.2615

Deuteranomaly

14.7834, 0.2227, 0.2486

Tritanomaly

15.2679, 0.2134, 0.2882

Monochromacy



Original Color

15.3636, 0.2067, 0.2642

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.8617, 0.2452, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3636, 0.2067, 0.2642 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(0, 119, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 149)  
}
```

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(0, 119, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 149) }
```

Border

The CSS property to change the border of an element to Yxy 15.3636, 0.2067, 0.2642 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(0, 119, 149) }
```

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

```
.border{ border-color:rgb(0, 119, 149) }
```

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

Here you see how a box with a 4 pixel rgb(0, 119, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3636, 0.2067, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 149) }
```

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

```
.background{ background-color: rgb(0, 119,  
149) }
```

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