

Converting Colors

$Yxy(14.7323, 0.1978, 0.2766)$

Have a look what the booklet for
Yxy(14.7323, 0.1978, 0.2766)
contains.

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Color

Yxy(15.1466, 0.2105, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	00778E
RGB	0, 119, 142
RGB Percent	0%, 47%, 56%
CMY	0.9994, 0.5333, 0.4431
CMYK	1.00, 0.16, 0.00, 0.44
HSL	190°, 100%, 28%
HSV	190°, 100%, 56%
XYZ	11.4813, 15.1466, 27.9151
YIQ	86.0410, -78.3070, -18.0750

Conversions

Conversions Part 2

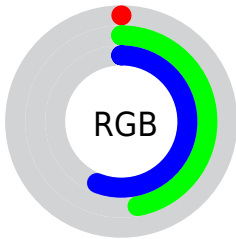
Format	Color
RYB	0, 65, 142
Decimal	30606
CIELab	45.83, -19.36, -20.44
CIELCh	46, 28.157, 226.556
Yxy	15.1466, 0.2105, 0.2777
Android (android.graphics.Color)	4278220686 (0xFF00778E)
YUV	86.0410, 27.5878, -75.4580
Hunter-Lab	38.9186, -15.4487, -15.2838

Details

The Yxy color **15.1466, 0.2105, 0.2777** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.3718, 0.6209, 0.3450**, and the grayscale version is **9.2777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9503, 0.2331, 0.2900**, and **5.1530, 0.2043, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **15.1405, 0.2105, 0.2776**, and if you desaturate by 10%, it is **15.7975, 0.2142, 0.2833**.

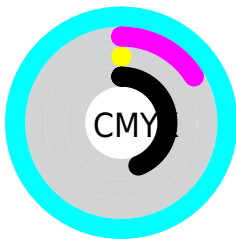
Distribution



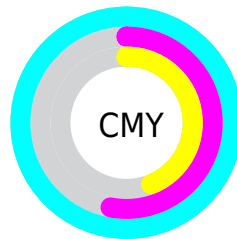
- Red (0%)
- Green (47%)
- Blue (56%)



- Red (0%)
- Yellow (25%)
- Blue (56%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (44%)





- Cyan (100%)
- Magenta (53%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1466, 0.2105, 0.2777 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 15.1466, 0.2105, 0.2777 by changing the saturation by 10% instead.


 15.1466, 0.2105,
0.2777


 15.1466, 0.2105,
0.2777


 224.2518, 0.2687,
0.3093


 8.9223, 0.1934,
0.2671


 35.1102, 0.2335,
0.2910


 4.6906, 0.1699,
0.2514

 49.6182, 0.2416,
0.2954


 2.0669, 0.1363,
0.2264

 67.6564, 0.2482,
0.2989

 0.6459, 0.0409,
0.1869

 89.6090, 0.2536,
0.3018

 0.0000, 0.0000,
0.0000

 115.8604, 0.2583,
0.3042

 146.7951, 0.2622,

0.3061

182.7975, 0.2657,
0.3078

■ 15.1466, 0.2105,
0.2777

■ 15.1466, 0.2105,
0.2777

■ 15.1405, 0.2105,
0.2776

■ 15.7975, 0.2142,
0.2833

■ 16.5246, 0.2192,
0.2890

■ 17.3601, 0.2260,
0.2946

■ 18.3160, 0.2346,
0.3002

■ 19.4022, 0.2449,
0.3057

■ 20.6277, 0.2567,
0.3110

■ 22.0008, 0.2696,
0.3160

■ 23.5286, 0.2835,
0.3207

■ 25.2183, 0.2980,
0.3250

Harmonies

Analogous

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



15.1466, 0.2267, 0.3286



15.1466, 0.2105, 0.2777



15.1466, 0.2181, 0.2473

Triad

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



15.1466, 0.2105, 0.2777



15.1466, 0.3564, 0.2796



15.1466, 0.3737, 0.4309

Complementary

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



15.1466, 0.2105, 0.2777



6.3718, 0.6209, 0.3450

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.



15.1466, 0.4140, 0.4050



15.1466, 0.2105, 0.2777



15.1466, 0.4055, 0.3194

Square

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



15.1466, 0.2105, 0.2777



15.1466, 0.2979, 0.2511



15.1466, 0.4269, 0.3639



15.1466, 0.3190, 0.4265

Rectangle

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



15.1466, 0.2105, 0.2777



15.1466, 0.2360, 0.2395



15.1466, 0.4269, 0.3639



15.1466, 0.3894, 0.4249

Sweetspot

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



15.1471, 0.2105, 0.2777



38.6025, 0.2686, 0.3156



19.4071, 0.2958, 0.5849



8.4172, 0.2638, 0.3138



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



15.1471, 0.2105, 0.2777



26.4925, 0.2102, 0.2765



4.2186, 0.1656, 0.1161



5.9694, 0.2990, 0.3253



13.6132, 0.2105, 0.2779



0.1559, 0.2180, 0.3049

Inverse Universe

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



7.0871, 0.3656, 0.1788



12.4678, 0.3667, 0.1794



13.4695, 0.4956, 0.4445



5.4962, 0.3160, 0.3108



6.3606, 0.3654, 0.1787



0.0634, 0.3411, 0.1653

Previews

White Background



This preview shows how the Yxy color 15.1466, 0.2105, 0.2777 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 15.1466, 0.2105, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

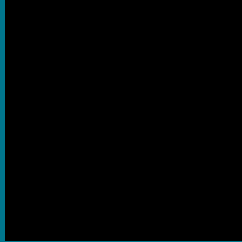
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1466, 0.2105, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 15.1466, 0.2105, 0.2777.



This preview shows how white text looks on a background with the Yxy color 15.1466, 0.2105, 0.2777.

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

15.1466, 0.2105, 0.2777

Protanopia

15.0614, 0.2746, 0.2750

Deuteranopia

15.2124, 0.2602, 0.2551



Tritanopia

15.0446, 0.2182, 0.3055

Trichromacy



Original Color

15.1466, 0.2105, 0.2777

Protanomaly

14.2988, 0.2360, 0.2726

Deuteranomaly

14.4393, 0.2292, 0.2592

Tritanomaly

15.1542, 0.2158, 0.2967

Monochromacy



Original Color

15.1466, 0.2105, 0.2777

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.5882, 0.2487, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1466, 0.2105, 0.2777 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, 142)` looks like.

```
.text, #text, p{  
  color:rgb(0, 119, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 142) }
```

Border

The CSS property to change the border of an element to Yxy 15.1466, 0.2105, 0.2777 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, 142) }
```

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

```
.border{ border-color:rgb(0, 119, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1466, 0.2105, 0.2777 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, 142) }
```

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

```
.background{ background-color: rgb(0, 119,  
142) }
```

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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