

Converting Colors

$Yxy(10.4300, 0.0703, 0.2679)$

Have a look what the booklet for
Yxy(10.4300, 0.0703, 0.2679)
contains.

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Color

Yxy(14.7918, 0.2121, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	00768A
RGB	0, 118, 138
RGB Percent	0%, 46%, 54%
CMY	0.9997, 0.5373, 0.4588
CMYK	1.00, 0.14, 0.00, 0.46
HSL	189°, 100%, 27%
HSV	189°, 100%, 54%
XYZ	11.0665, 14.7918, 26.3174
YIQ	84.9980, -76.7480, -18.7960

Conversions

Conversions Part 2

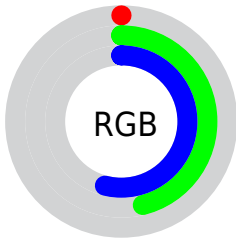
Format	Color
RYB	0, 64, 138
Decimal	30346
CIELab	45.35, -20.28, -18.81
CIELCh	45, 27.659, 222.851
Yxy	14.7918, 0.2121, 0.2835
Android (android.graphics.Color)	4278220426 (0xFF00768A)
YUV	84.9980, 26.1300, -74.5432
Hunter-Lab	38.4601, -15.9439, -13.6488

Details

The Yxy color **14.7918, 0.2121, 0.2835** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.9066, 0.6234, 0.3431**, and the grayscale version is **9.0449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3049, 0.2349, 0.2956**, and **4.9608, 0.2065, 0.2634** is the 20% darker color. If you saturate the color by 10%, you get **14.7894, 0.2121, 0.2835**, and if you desaturate by 10%, it is **15.3606, 0.2157, 0.2885**.

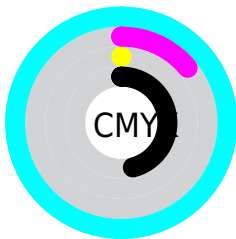
Distribution



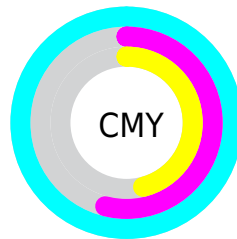
- Red (0%)
- Green (46%)
- Blue (54%)



- Red (0%)
- Yellow (25%)
- Blue (54%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (46%)





- Cyan (100%)
- Magenta (54%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7918, 0.2121, 0.2835 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 14.7918, 0.2121, 0.2835 by changing the saturation by 10% instead.


 14.7918, 0.2121,
0.2835


 14.7918, 0.2121,
0.2835


 222.1026, 0.2696,
0.3119


 8.6734, 0.1950,
0.2737


 34.4875, 0.2350,
0.2956


 4.5288, 0.1714,
0.2591

 48.8336, 0.2429,
0.2995

 1.9735, 0.1373,
0.2352

 66.6911, 0.2495,
0.3027

 0.5920, 0.0226,
0.1973

 88.4443, 0.2549,
0.3052

 0.0000, 0.0000,
0.0000

 114.4777, 0.2594,
0.3073

 145.1756, 0.2633,

0.3091

180.9224, 0.2667,
0.3106

■ 14.7918, 0.2121,
0.2835

■ 14.7918, 0.2121,
0.2835

■ 14.7894, 0.2121,
0.2835

■ 15.3606, 0.2157,
0.2885

■ 15.9970, 0.2204,
0.2934

■ 16.7325, 0.2270,
0.2984

■ 17.5780, 0.2354,
0.3034

■ 18.5429, 0.2455,
0.3082

■ 19.6356, 0.2570,
0.3129

■ 20.8635, 0.2698,
0.3174

■ 22.2336, 0.2835,
0.3216

■ 23.7522, 0.2980,
0.3255

Harmonies

Analogous

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



14.7918, 0.2311, 0.3358



14.7918, 0.2121, 0.2835



14.7918, 0.2168, 0.2506

Triad

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



14.7918, 0.2121, 0.2835



14.7918, 0.3489, 0.2758



14.7918, 0.3791, 0.4281

Complementary

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



14.7918, 0.2121, 0.2835



5.9066, 0.6234, 0.3431

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.



14.7918, 0.4163, 0.3999



14.7918, 0.2121, 0.2835



14.7918, 0.3998, 0.3143

Square

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



14.7918, 0.2121, 0.2835



14.7918, 0.2912, 0.2493



14.7918, 0.4250, 0.3582



14.7918, 0.3260, 0.4280

Rectangle

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



14.7918, 0.2121, 0.2835



14.7918, 0.2326, 0.2410



14.7918, 0.4250, 0.3582



14.7918, 0.3940, 0.4211

Sweetspot

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



14.7923, 0.2121, 0.2835



36.6161, 0.2689, 0.3171



18.2234, 0.2964, 0.5869



8.0316, 0.2641, 0.3155



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



14.7923, 0.2121, 0.2835



25.8907, 0.2118, 0.2825



4.1723, 0.1670, 0.1210



5.5671, 0.2991, 0.3257



13.5754, 0.2121, 0.2837



0.1058, 0.2188, 0.3076

Inverse Universe

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



6.7131, 0.3602, 0.1758



11.8114, 0.3612, 0.1763



12.2895, 0.4999, 0.4412



5.1167, 0.3158, 0.3105



6.1547, 0.3601, 0.1757



0.0425, 0.3387, 0.1640

Previews

White Background



This preview shows how the Yxy color 14.7918, 0.2121, 0.2835 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 14.7918, 0.2121, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

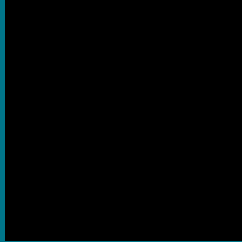
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7918, 0.2121, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 14.7918, 0.2121, 0.2835.

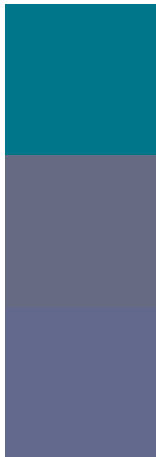


This preview shows how white text looks on a background with the Yxy color 14.7918, 0.2121, 0.2835.

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

14.7918, 0.2121, 0.2835

Protanopia

14.7446, 0.2788, 0.2803

Deuteranopia

14.6789, 0.2636, 0.2579



Tritanopia

14.7786, 0.2182, 0.3053

Trichromacy



Original Color

14.7918, 0.2121, 0.2835

Protanomaly

13.9691, 0.2388, 0.2782

Deuteranomaly

14.1021, 0.2317, 0.2644

Tritanomaly

14.8596, 0.2163, 0.2987

Monochromacy



Original Color

14.7918, 0.2121, 0.2835

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.3331, 0.2492, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7918, 0.2121, 0.2835 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, 118, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 138)  
}
```

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, 118, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 138) }
```

Border

The CSS property to change the border of an element to Yxy 14.7918, 0.2121, 0.2835 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, 118, 138) }
```

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

```
.border{ border-color:rgb(0, 118, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 118, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 118, 138); box-shadow:4px 4px 4px 4px rgb(0, 118, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7918, 0.2121, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 138) }
```

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

```
.background{ background-color: rgb(0, 118,  
138) }
```

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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