

Converting Colors

$Yxy(18.1170, 0.2066, 0.3063)$

Have a look what the booklet for
Yxy(18.1170, 0.2066, 0.3063)
contains.

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Color

Yxy(18.7582, 0.2188, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	00858F
RGB	0, 133, 143
RGB Percent	0%, 52%, 56%
CMY	0.9987, 0.4784, 0.4393
CMYK	1.00, 0.07, 0.00, 0.44
HSL	184°, 100%, 28%
HSV	184°, 100%, 56%
XYZ	13.3473, 18.7582, 28.8968
YIQ	94.3730, -82.4780, -25.0860

Conversions

Conversions Part 2

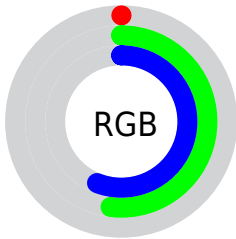
Format	Color
RYB	0, 69, 143
Decimal	34191
CIELab	50.40, -26.33, -14.04
CIELCh	50, 29.840, 208.065
Yxy	18.7582, 0.2188, 0.3075
Android (android.graphics.Color)	4278224271 (0xFF00858F)
YUV	94.3730, 23.9731, -82.7651
Hunter-Lab	43.3107, -20.7845, -9.2406

Details

The Yxy color **18.7582, 0.2188, 0.3075** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.0630, 0.6327, 0.3354**, and the grayscale version is **11.2672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5503, 0.2393, 0.3138**, and **6.9768, 0.2159, 0.2971** is the 20% darker color. If you saturate the color by 10%, you get **18.7503, 0.2187, 0.3074**, and if you desaturate by 10%, it is **19.1306, 0.2214, 0.3098**.

Distribution



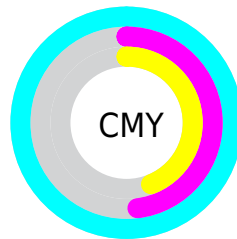
- Red (0%)
- Green (52%)
- Blue (56%)



- Red (0%)
- Yellow (27%)
- Blue (56%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (48%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7582, 0.2188, 0.3075 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 18.7582, 0.2188, 0.3075 by changing the saturation by 10% instead.


 18.7582, 0.2188,
0.3075


 18.7582, 0.2188,
0.3075


 245.1106, 0.2711,
0.3214


 11.4957, 0.2039,
0.3025


 41.3251, 0.2392,
0.3135

 6.4013, 0.1835,
0.2949


 57.3983, 0.2464,
0.3155


 3.0906, 0.1546,
0.2823

 77.1772, 0.2523,
0.3170

 1.1792, 0.1003,
0.2616

 101.0461, 0.2573,
0.3182

 0.0446, 0.0000,
0.0415

 129.3896, 0.2615,
0.3193

 0.0000, 0.0000,
0.0000

 162.5919, 0.2652,

0.3201

201.0374, 0.2683,
0.3208

■ 18.7582, 0.2188,
0.3075

■ 18.7582, 0.2188,
0.3075

■ 18.7503, 0.2187,
0.3074

■ 19.1306, 0.2214,
0.3098

■ 19.5704, 0.2253,
0.3121

■ 20.1094, 0.2309,
0.3144

■ 20.7596, 0.2383,
0.3167

■ 21.5312, 0.2475,
0.3190

■ 22.4331, 0.2583,
0.3212

■ 23.4735, 0.2705,
0.3234

■ 24.6599, 0.2839,
0.3254

■ 25.9992, 0.2982,
0.3273

Harmonies

Analogous

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



18.7582, 0.2490, 0.3645



18.7582, 0.2188, 0.3075



18.7582, 0.2118, 0.2642

Triad

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



18.7582, 0.2188, 0.3075



18.7582, 0.3200, 0.2611



18.7582, 0.4001, 0.4165

Complementary

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



18.7582, 0.2188, 0.3075



6.0630, 0.6327, 0.3354

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.



18.7582, 0.4244, 0.3801



18.7582, 0.2188, 0.3075



18.7582, 0.3766, 0.2943

Square

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



18.7582, 0.2188, 0.3075



18.7582, 0.2661, 0.2425



18.7582, 0.4163, 0.3364



18.7582, 0.3532, 0.4321

Rectangle

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



18.7582, 0.2188, 0.3075



18.7582, 0.2202, 0.2474



18.7582, 0.4163, 0.3364



18.7582, 0.4113, 0.4059

Sweetspot

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



18.7589, 0.2188, 0.3075



41.8759, 0.2694, 0.3232



19.6636, 0.2984, 0.5941



9.4366, 0.2647, 0.3224



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



18.7589, 0.2188, 0.3075



33.4838, 0.2186, 0.3070



5.4464, 0.1724, 0.1403



6.0526, 0.2990, 0.3274



16.5955, 0.2188, 0.3076



0.1712, 0.2219, 0.3189

Inverse Universe

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



7.5388, 0.3389, 0.1642



13.4796, 0.3393, 0.1643



11.7490, 0.5183, 0.4264



5.5046, 0.3147, 0.3088



6.6617, 0.3388, 0.1640



0.0650, 0.3291, 0.1587

Previews

White Background



This preview shows how the Yxy color 18.7582, 0.2188, 0.3075 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7582, 0.2188, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

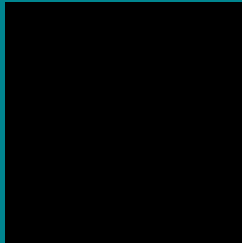
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7582, 0.2188, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 18.7582, 0.2188, 0.3075.

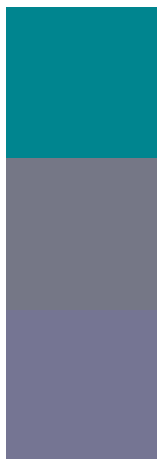


This preview shows how white text looks on a background with the Yxy color 18.7582, 0.2188, 0.3075.

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

18.7582, 0.2188, 0.3075

Protanopia

18.6968, 0.2935, 0.3009

Deuteranopia

18.6111, 0.2798, 0.2746



Tritanopia

18.8403, 0.2193, 0.3055

Trichromacy



Original Color

18.7582, 0.2188, 0.3075

Protanomaly

17.7173, 0.2493, 0.3020

Deuteranomaly

17.7371, 0.2419, 0.2828

Tritanomaly

18.8209, 0.2189, 0.3055

Monochromacy



Original Color

18.7582, 0.2188, 0.3075

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.8556, 0.2520, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7582, 0.2188, 0.3075 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, 133, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 143)  
}
```

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, 133, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 143) }
```

Border

The CSS property to change the border of an element to Yxy 18.7582, 0.2188, 0.3075 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, 133, 143) }
```

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

```
.border{ border-color:rgb(0, 133, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7582, 0.2188, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 143) }
```

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

```
.background{ background-color: rgb(0, 133,  
143) }
```

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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