

Converting Colors

$Y_{xy}(18.9269, 0.2285, 0.3079)$

Have a look what the booklet for
Yxy(18.9269, 0.2285, 0.3079)
contains.

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Color

$Y_{xy}(18.9269, 0.2285, 0.3079)$

Conversions

Conversions Part 1

Format	Color
Hex	29848E
RGB	41, 132, 142
RGB Percent	16%, 52%, 56%
CMY	0.8393, 0.4823, 0.4432
CMYK	0.71, 0.07, 0.00, 0.44
HSL	186°, 55%, 36%
HSV	186°, 71%, 56%
XYZ	14.0461, 18.9269, 28.4979
YIQ	105.9310, -57.4460, -16.1820

Conversions

Conversions Part 2

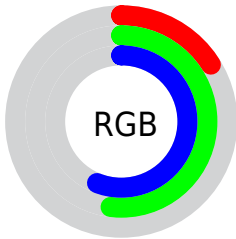
Format	Color
RYB	41, 89, 142
Decimal	2720910
CIELab	50.60, -22.73, -13.10
CIElCh	51, 26.234, 209.963
Yxy	18.9269, 0.2285, 0.3079
Android (android.graphics.Color)	4280910990 (0xFF29848E)
YUV	105.9310, 17.7820, -56.9445
Hunter-Lab	43.5051, -18.5031, -8.3843

Details

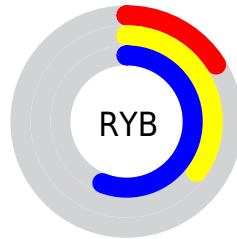
The Yxy color **18.9269, 0.2285, 0.3079** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.2724, 0.5300, 0.3443**, and the grayscale version is **14.3532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4501, 0.2464, 0.3125**, and **6.8073, 0.2158, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **18.3088, 0.2228, 0.3046**, and if you desaturate by 10%, it is **19.6568, 0.2361, 0.3112**.

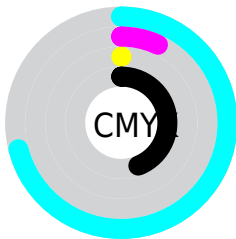
Distribution



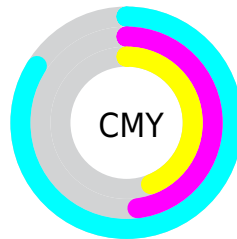
- Red (16%)
- Green (52%)
- Blue (56%)



- Red (16%)
- Yellow (35%)
- Blue (56%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)
- Black (44%)



- Cyan (84%)
- Magenta (48%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9269, 0.2285, 0.3079 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 18.9269, 0.2285, 0.3079 by changing the saturation by 10% instead.

18.9269, 0.2285,
0.3079

18.9269, 0.2285,
0.3079

246.0449, 0.2755,
0.3213

11.6175, 0.2149,
0.3032

41.6105, 0.2469,
0.3136

6.4838, 0.1964,
0.2962

57.7535, 0.2534,
0.3155

3.1414, 0.1696,
0.2846

77.6099, 0.2587,
0.3170

1.2060, 0.1230,
0.2646

101.5639, 0.2632,
0.3182

0.0666, 0.0000,
0.0631

130.0000, 0.2670,
0.3191

0.0000, 0.0000,
0.0000

163.3026, 0.2702,

0.3200

201.8561, 0.2731,
0.3207

■ 18.9269, 0.2285,
0.3079

■ 18.9269, 0.2285,
0.3079

■ 18.3088, 0.2228,
0.3046

■ 19.6568, 0.2361,
0.3112

■ 17.7885, 0.2188,
0.3013

■ 20.5066, 0.2454,
0.3145

■ 17.3803, 0.2162,
0.2984

■ 21.4860, 0.2563,
0.3177

■ 22.6032, 0.2685,
0.3207

■ 23.8655, 0.2819,
0.3236

■ 25.2800, 0.2962,
0.3263

■ 26.8529, 0.3110,
0.3287

■ 28.5904, 0.3261,
0.3310

■ 30.4982, 0.3413,
0.3330

Harmonies

Analogous

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



18.9269, 0.2545, 0.3570



18.9269, 0.2285, 0.3079



18.9269, 0.2234, 0.2705

Triad

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



18.9269, 0.2285, 0.3079



18.9269, 0.3227, 0.2702



18.9269, 0.3879, 0.4080

Complementary

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



18.9269, 0.2285, 0.3079



8.2724, 0.5300, 0.3443

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.



18.9269, 0.4103, 0.3775



18.9269, 0.2285, 0.3079



18.9269, 0.3716, 0.3008

Square

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



18.9269, 0.2285, 0.3079



18.9269, 0.2745, 0.2526



18.9269, 0.4047, 0.3388



18.9269, 0.3460, 0.4188

Rectangle

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



18.9269, 0.2285, 0.3079



18.9269, 0.2318, 0.2559



18.9269, 0.4047, 0.3388



18.9269, 0.3981, 0.3994

Sweetspot

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



18.9276, 0.2285, 0.3079



42.0260, 0.2815, 0.3235



20.0374, 0.2979, 0.5356



9.2627, 0.2782, 0.3228



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.



18.9276, 0.2285, 0.3079



31.7577, 0.2203, 0.3027



8.6188, 0.2008, 0.1946



6.0266, 0.2990, 0.3268



15.6234, 0.2163, 0.2985



0.1664, 0.2208, 0.3147

Inverse Universe

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



8.9993, 0.3368, 0.1882



13.7839, 0.3425, 0.1738



15.0035, 0.4568, 0.4257



5.5020, 0.3151, 0.3094



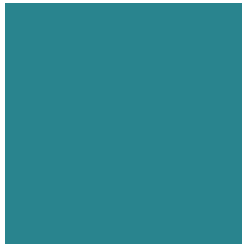
6.5635, 0.3467, 0.1684



0.0645, 0.3327, 0.1606

Previews

White Background



This preview shows how the Yxy color 18.9269, 0.2285, 0.3079 looks on a white background.

Color Contrast Check

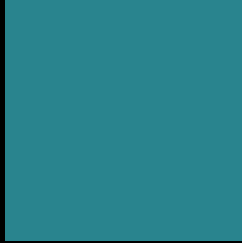
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9269, 0.2285, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

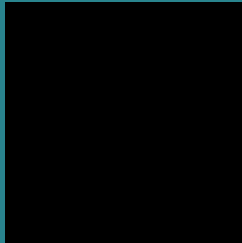
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9269, 0.2285, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 18.9269, 0.2285, 0.3079.

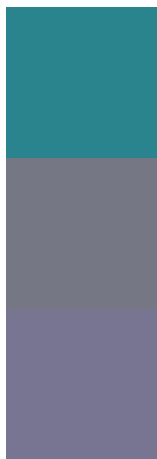


This preview shows how white text looks on a background with the Yxy color 18.9269, 0.2285, 0.3079.

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

18.9269, 0.2285, 0.3079

Protanopia

18.7387, 0.2957, 0.3028

Deuteranopia

18.6889, 0.2841, 0.2783



Tritanopia

18.9571, 0.2279, 0.3058

Trichromacy



Original Color

18.9269, 0.2285, 0.3079

Protanomaly

18.3665, 0.2634, 0.3049

Deuteranomaly

18.1568, 0.2568, 0.2860

Tritanomaly

18.9571, 0.2279, 0.3058

Monochromacy



Original Color

18.9269, 0.2285, 0.3079

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.3872, 0.2692, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9269, 0.2285, 0.3079 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(41, 132, 142)` looks like.

```
.text, #text, p{  
    color:rgb(41, 132, 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(41, 132, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 132, 142) }
```

Border

The CSS property to change the border of an element to Yxy 18.9269, 0.2285, 0.3079 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(41, 132, 142) }
```

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

```
.border{ border-color:rgb(41, 132, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 132, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 132, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 132, 142);  
box-shadow:4px 4px 4px 4px rgb(41, 132,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9269, 0.2285, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 132, 142) }
```

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

```
.background{ background-color: rgb(41, 132,  
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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