

Converting Colors

$Y_{xy}(18.9039, 0.2265, 0.3032)$

Have a look what the booklet for
Yxy(18.9039, 0.2265, 0.3032)
contains.

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Color

Yxy(18.9673, 0.2268, 0.3038)

Conversions

Conversions Part 1

Format	Color
Hex	288490
RGB	40, 132, 144
RGB Percent	16%, 52%, 56%
CMY	0.8433, 0.4823, 0.4352
CMYK	0.72, 0.08, 0.00, 0.44
HSL	187°, 57%, 36%
HSV	187°, 72%, 56%
XYZ	14.1599, 18.9673, 29.3063
YIQ	105.8600, -58.6840, -15.7720

Conversions

Conversions Part 2

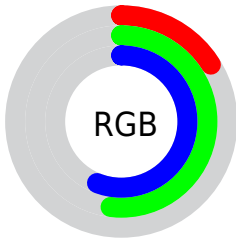
Format	Color
RYB	40, 89, 144
Decimal	2655376
CIELab	50.65, -22.22, -14.22
CIElCh	51, 26.380, 212.616
Yxy	18.9673, 0.2268, 0.3038
Android (android.graphics.Color)	4280845456 (0xFF288490)
YUV	105.8600, 18.8030, -57.7592
Hunter-Lab	43.5515, -18.1792, -9.4109




Details

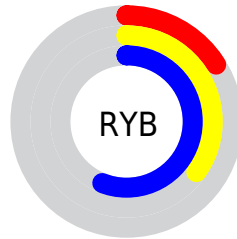
The Yxy color **18.9673, 0.2268, 0.3038** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.5370, 0.5328, 0.3469**, and the grayscale version is **14.3299, 0.3127, 0.3290**.




A 20% lighter version of the original color is **41.5418, 0.2453, 0.3096**, and **6.8427, 0.2141, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **18.2842, 0.2211, 0.2999**, and if you desaturate by 10%, it is **19.7665, 0.2344, 0.3077**.

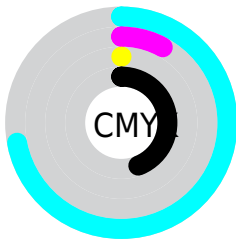
Distribution







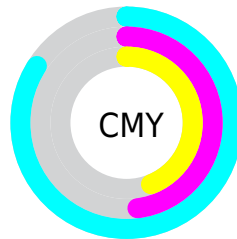
-  Red (16%)
-  Green (52%)
-  Blue (56%)






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



-  Cyan (72%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (44%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9673, 0.2268, 0.3038 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 18.9673, 0.2268, 0.3038 by changing the saturation by 10% instead.

18.9673, 0.2268,
0.3038

18.9673, 0.2268,
0.3038

246.2682, 0.2747,
0.3195

11.6467, 0.2130,
0.2984

41.6788, 0.2455,
0.3105

6.5036, 0.1943,
0.2904

57.8385, 0.2521,
0.3127

3.1536, 0.1673,
0.2774

77.7133, 0.2576,
0.3144

1.2125, 0.1216,
0.2550

101.6877, 0.2621,
0.3158

0.0718, 0.0000,
0.0626

130.1459, 0.2660,
0.3170

0.0000, 0.0000,
0.0000

163.4725, 0.2693,

0.3180

202.0518, 0.2722,
0.3188

■ 18.9673, 0.2268,
0.3038

■ 18.9673, 0.2268,
0.3038

■ 18.2842, 0.2211,
0.2999

■ 19.7665, 0.2344,
0.3077

■ 17.7024, 0.2171,
0.2960

■ 20.6905, 0.2437,
0.3116

■ 17.2942, 0.2147,
0.2930

■ 21.7494, 0.2546,
0.3153

■ 22.9518, 0.2669,
0.3189

■ 24.3054, 0.2803,
0.3223

■ 25.8174, 0.2945,
0.3255

■ 27.4946, 0.3093,
0.3284

■ 29.3433, 0.3244,
0.3310

■ 31.3695, 0.3396,
0.3334

Harmonies

Analogous

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



18.9673, 0.2512, 0.3527



18.9673, 0.2268, 0.3038



18.9673, 0.2236, 0.2678

Triad

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



18.9673, 0.2268, 0.3038



18.9673, 0.3273, 0.2722



18.9673, 0.3851, 0.4103

Complementary

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



18.9673, 0.2268, 0.3038



8.5370, 0.5328, 0.3469

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.



18.9673, 0.4098, 0.3809



18.9673, 0.2268, 0.3038



18.9673, 0.3757, 0.3038

Square

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



18.9673, 0.2268, 0.3038



18.9673, 0.2782, 0.2532



18.9673, 0.4069, 0.3423



18.9673, 0.3418, 0.4188

Rectangle

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



18.9673, 0.2268, 0.3038



18.9673, 0.2333, 0.2543



18.9673, 0.4069, 0.3423



18.9673, 0.3960, 0.4022

Sweetspot

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



18.9680, 0.2268, 0.3038



42.8091, 0.2800, 0.3222



20.6350, 0.2969, 0.5359



9.6809, 0.2767, 0.3214



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.



18.9680, 0.2268, 0.3038



31.5528, 0.2183, 0.2973



8.4360, 0.1982, 0.1880



6.0115, 0.2990, 0.3264



15.0782, 0.2148, 0.2932



0.1637, 0.2201, 0.3122

Inverse Universe

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



9.1116, 0.3404, 0.1888



13.9263, 0.3473, 0.1750



15.6638, 0.4570, 0.4293



5.5005, 0.3154, 0.3098



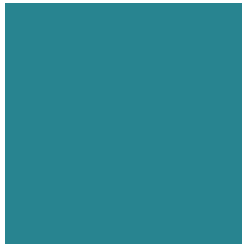
6.5085, 0.3515, 0.1710



0.0642, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 18.9673, 0.2268, 0.3038 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 18.9673, 0.2268, 0.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

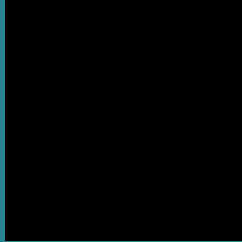
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9673, 0.2268, 0.3038

Background



This preview shows how black text looks on a background with the Yxy color 18.9673, 0.2268, 0.3038.

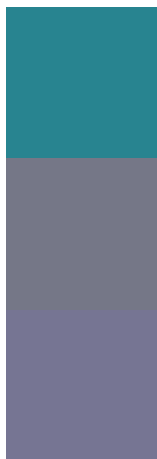


This preview shows how white text looks on a background with the Yxy color 18.9673, 0.2268, 0.3038.

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

18.9673, 0.2268, 0.3038

Protanopia

18.7248, 0.2924, 0.2991

Deuteranopia

18.6807, 0.2809, 0.2748



Tritanopia

18.9170, 0.2271, 0.3058

Trichromacy



Original Color

18.9673, 0.2268, 0.3038

Protanomaly

18.3741, 0.2607, 0.3010

Deuteranomaly

18.1680, 0.2542, 0.2822

Tritanomaly

18.9170, 0.2271, 0.3058

Monochromacy



Original Color

18.9673, 0.2268, 0.3038

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.4114, 0.2682, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9673, 0.2268, 0.3038 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(40, 132, 144)` looks like.

```
.text, #text, p{  
    color:rgb(40, 132, 144)  
}
```

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(40, 132, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 132, 144) }
```

Border

The CSS property to change the border of an element to Yxy 18.9673, 0.2268, 0.3038 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(40, 132, 144) }
```

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

```
.border{ border-color:rgb(40, 132, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 132, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 132, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 132, 144);  
box-shadow:4px 4px 4px 4px rgb(40, 132,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9673, 0.2268, 0.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 132, 144) }
```

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

```
.background{ background-color: rgb(40, 132,  
144) }
```

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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