

Converting Colors

$Yxy(18.2636, 0.2311, 0.3138)$

Have a look what the booklet for
Yxy(18.2636, 0.2311, 0.3138)
contains.

Yxy(18.2636, 0.2311, 0.3138)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.2636, 0.2311, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	2A8289
RGB	42, 130, 137
RGB Percent	16%, 51%, 54%
CMY	0.8357, 0.4902, 0.4627
CMYK	0.69, 0.05, 0.00, 0.46
HSL	184°, 53%, 35%
HSV	184°, 69%, 54%
XYZ	13.4503, 18.2636, 26.4875
YIQ	104.4860, -54.6950, -16.4790

Conversions

Conversions Part 2

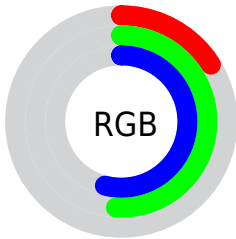
Format	Color
R_{YB}	42, 88, 137
Decimal	2785929
CIE _{Lab}	49.81, -23.13, -11.38
CIE _{LCh}	50, 25.773, 206.196
Yxy	18.2636, 0.2311, 0.3138
Android (android.graphics.Color)	4280976009 (0xFF2A8289)
YUV	104.4860, 16.0294, -54.8002
Hunter-Lab	42.7359, -18.6083, -6.8324




Details

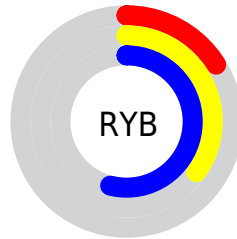
The Yxy color **18.2636, 0.2311, 0.3138** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.6747, 0.5247, 0.3404**, and the grayscale version is **13.9412, 0.3127, 0.3290**.




A 20% lighter version of the original color is **40.3514, 0.2492, 0.3183**, and **6.4254, 0.2182, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **17.7567, 0.2253, 0.3114**, and if you desaturate by 10%, it is **18.8732, 0.2387, 0.3162**.

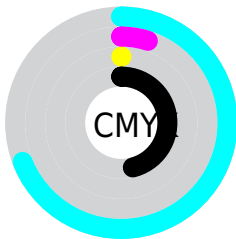
Distribution







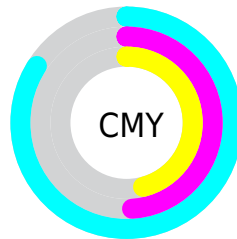
-  Red (16%)
-  Green (51%)
-  Blue (54%)






-  Red (16%)
-  Yellow (35%)
-  Blue (54%)



-  Cyan (69%)
-  Magenta (5%)
-  Yellow (0%)
-  Black (46%)





-  Cyan (84%)
-  Magenta (49%)
-  Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2636, 0.2311, 0.3138 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 18.2636, 0.2311, 0.3138 by changing the saturation by 10% instead.


 18.2636, 0.2311,
0.3138


 18.2636, 0.2311,
0.3138


 242.3527, 0.2770,
0.3238


 11.1394, 0.2177,
0.3101


 40.4860, 0.2492,
0.3182


 6.1607, 0.1992,
0.3045

 56.3530, 0.2555,
0.3196


 2.9430, 0.1722,
0.2948

 75.9030, 0.2607,
0.3207

 1.1021, 0.1186,
0.2793

 99.5205, 0.2651,
0.3215

 0.0000, 0.0000,
0.0000

 127.5898, 0.2687,
0.3222

 160.4953, 0.2719,

0.3228

198.6215, 0.2746,
0.3233

■ 18.2636, 0.2311,
0.3138

■ 18.2636, 0.2311,
0.3138

■ 17.7567, 0.2253,
0.3114

■ 18.8732, 0.2387,
0.3162

■ 17.3399, 0.2213,
0.3089

■ 19.5926, 0.2480,
0.3186

■ 16.9858, 0.2186,
0.3065

■ 20.4306, 0.2588,
0.3210

■ 16.9654, 0.2185,
0.3064

■ 21.3943, 0.2711,
0.3232

■ 22.4906, 0.2845,
0.3253

■ 23.7256, 0.2988,
0.3273

■ 25.1052, 0.3136,
0.3291

■ 26.6349, 0.3288,
0.3308

■ 28.3197, 0.3440,
0.3323

Harmonies

Analogous

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



18.2636, 0.2594, 0.3630



18.2636, 0.2311, 0.3138



18.2636, 0.2233, 0.2745

Triad

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



18.2636, 0.2311, 0.3138



18.2636, 0.3163, 0.2675



18.2636, 0.3916, 0.4046

Complementary

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



18.2636, 0.2311, 0.3138



7.6747, 0.5247, 0.3404

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.



18.2636, 0.4107, 0.3727



18.2636, 0.2311, 0.3138



18.2636, 0.3657, 0.2966

Square

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



18.2636, 0.2311, 0.3138



18.2636, 0.2695, 0.2520



18.2636, 0.4014, 0.3338



18.2636, 0.3517, 0.4184

Rectangle

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



18.2636, 0.2311, 0.3138



18.2636, 0.2300, 0.2584



18.2636, 0.4014, 0.3338



18.2636, 0.4008, 0.3954

Sweetspot

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



18.2643, 0.2311, 0.3138



39.8472, 0.2817, 0.3249



18.6004, 0.2990, 0.5330



8.8317, 0.2785, 0.3244



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.



18.2643, 0.2311, 0.3138



31.3700, 0.2230, 0.3100



8.5011, 0.2044, 0.2027



5.6267, 0.2991, 0.3273



15.8077, 0.2185, 0.3065



0.1137, 0.2218, 0.3184

Inverse Universe

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



8.5804, 0.3318, 0.1876



13.2823, 0.3361, 0.1718



13.8148, 0.4546, 0.4215



5.1227, 0.3148, 0.3090



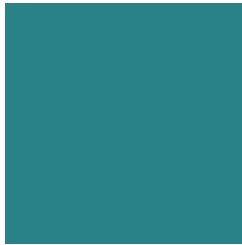
6.3800, 0.3398, 0.1645



0.0433, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 18.2636, 0.2311, 0.3138 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 18.2636, 0.2311, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

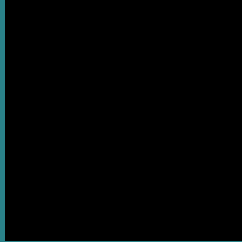
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2636, 0.2311, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 18.2636, 0.2311, 0.3138.



This preview shows how white text looks on a background with the Yxy color 18.2636, 0.2311, 0.3138.

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

18.2636, 0.2311, 0.3138

Protanopia

18.0895, 0.2989, 0.3062

Deuteranopia

18.0065, 0.2880, 0.2828



Tritanopia

18.3942, 0.2301, 0.3077

Trichromacy



Original Color

18.2636, 0.2311, 0.3138

Protanomaly

17.7587, 0.2666, 0.3086

Deuteranomaly

17.4707, 0.2597, 0.2910

Tritanomaly

18.3429, 0.2303, 0.3097

Monochromacy



Original Color

18.2636, 0.2311, 0.3138

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.8205, 0.2707, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2636, 0.2311, 0.3138 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(42, 130, 137)` looks like.

```
.text, #text, p{  
    color:rgb(42, 130, 137)  
}
```

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(42, 130, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 130, 137) }
```

Border

The CSS property to change the border of an element to Yxy 18.2636, 0.2311, 0.3138 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(42, 130, 137) }
```

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

```
.border{ border-color:rgb(42, 130, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 130, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 130, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 130, 137);  
box-shadow:4px 4px 4px 4px rgb(42, 130,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2636, 0.2311, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 130, 137) }
```

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

```
.background{ background-color: rgb(42, 130,  
137) }
```

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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