

Converting Colors

$Y_{xy}(18.6312, 0.2330, 0.3138)$

Have a look what the booklet for
Yxy(18.6312, 0.2330, 0.3138)
contains.

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Color

Yxy(18.6484, 0.2329, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	2E838A
RGB	46, 131, 138
RGB Percent	18%, 51%, 54%
CMY	0.8193, 0.4863, 0.4589
CMYK	0.67, 0.05, 0.00, 0.46
HSL	185°, 50%, 36%
HSV	185°, 67%, 54%
XYZ	13.8319, 18.6484, 26.9095
YIQ	106.3830, -52.9070, -15.8430

Conversions

Conversions Part 2

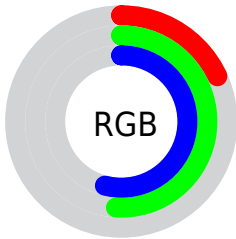
Format	Color
R_{YB}	46, 90, 138
Decimal	3048330
CIE _{Lab}	50.27, -22.66, -11.25
CIE _{LCh}	50, 25.300, 206.391
Yxy	18.6484, 0.2329, 0.3140
Android (android.graphics.Color)	4281238410 (0xFF2E838A)
YUV	106.3830, 15.5872, -52.9559
Hunter-Lab	43.1838, -18.3976, -6.7173

Details

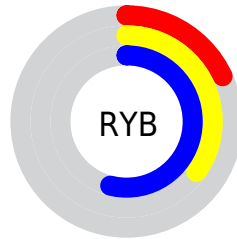
The Yxy color **18.6484, 0.2329, 0.3140** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.1518, 0.5121, 0.3408**, and the grayscale version is **14.4964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9856, 0.2505, 0.3184**, and **6.5894, 0.2183, 0.3058** is the 20% darker color. If you saturate the color by 10%, you get **18.0976, 0.2266, 0.3115**, and if you desaturate by 10%, it is **19.3065, 0.2410, 0.3165**.

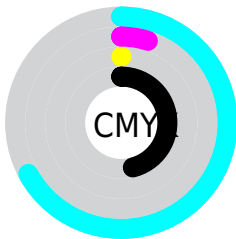
Distribution



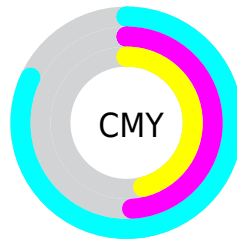
- Red (18%)
- Green (51%)
- Blue (54%)



- Red (18%)
- Yellow (35%)
- Blue (54%)



- Cyan (67%)
- Magenta (5%)
- Yellow (0%)
- Black (46%)





- Cyan (82%)
- Magenta (49%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6484, 0.2329, 0.3140 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 18.6484, 0.2329, 0.3140 by changing the saturation by 10% instead.


 18.6484, 0.2329,
0.3140


 18.6484, 0.2329,
0.3140


 244.5008, 0.2777,
0.3238


 11.4165, 0.2198,
0.3104


 41.1391, 0.2505,
0.3183


 6.3477, 0.2019,
0.3050


 57.1667, 0.2567,
0.3196


 3.0576, 0.1757,
0.2957

 76.8950, 0.2618,
0.3207

 1.1619, 0.1272,
0.2800

 100.7084, 0.2660,
0.3216

 0.0303, 0.0000,
0.0356

 128.9913, 0.2696,
0.3223

 0.0000, 0.0000,
0.0000

 162.1281, 0.2727,

0.3228

200.5031, 0.2754,
0.3233

■ 18.6484, 0.2329,
0.3140

■ 18.6484, 0.2329,
0.3140

■ 18.0976, 0.2266,
0.3115

■ 19.3065, 0.2410,
0.3165

■ 17.6418, 0.2221,
0.3090

■ 20.0787, 0.2508,
0.3190

■ 17.2641, 0.2191,
0.3065

■ 20.9738, 0.2621,
0.3214

■ 17.1414, 0.2182,
0.3056

■ 21.9990, 0.2747,
0.3236

■ 23.1609, 0.2884,
0.3258

■ 24.4658, 0.3029,
0.3278

■ 25.9194, 0.3178,
0.3296

■ 27.5273, 0.3331,
0.3313

■ 29.2947, 0.3483,
0.3328

Harmonies

Analogous

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



18.6484, 0.2605, 0.3618



18.6484, 0.2329, 0.3140



18.6484, 0.2254, 0.2757

Triad

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



18.6484, 0.2329, 0.3140



18.6484, 0.3166, 0.2690



18.6484, 0.3895, 0.4030

Complementary

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



18.6484, 0.2329, 0.3140



8.1518, 0.5121, 0.3408

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.



18.6484, 0.4082, 0.3720



18.6484, 0.2329, 0.3140



18.6484, 0.3647, 0.2976

Square

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



18.6484, 0.2329, 0.3140



18.6484, 0.2708, 0.2537



18.6484, 0.3993, 0.3341



18.6484, 0.3506, 0.4161

Rectangle

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



18.6484, 0.2329, 0.3140



18.6484, 0.2320, 0.2600



18.6484, 0.3993, 0.3341



18.6484, 0.3985, 0.3941

Sweetspot

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



18.6491, 0.2329, 0.3140



40.0230, 0.2831, 0.3250



19.0052, 0.2993, 0.5248



8.8658, 0.2798, 0.3245



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.



18.6491, 0.2329, 0.3140



31.4777, 0.2241, 0.3102



9.0572, 0.2082, 0.2087



5.6247, 0.2991, 0.3273



15.7291, 0.2183, 0.3057



0.1135, 0.2217, 0.3181

Inverse Universe

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



9.0005, 0.3314, 0.1917



13.5818, 0.3358, 0.1745



14.3648, 0.4480, 0.4191



5.1225, 0.3148, 0.3090



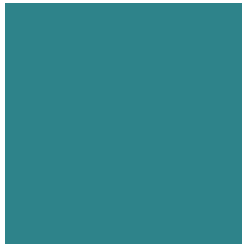
6.3721, 0.3404, 0.1649



0.0432, 0.3298, 0.1591

Previews

White Background



This preview shows how the Yxy color 18.6484, 0.2329, 0.3140 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 18.6484, 0.2329, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

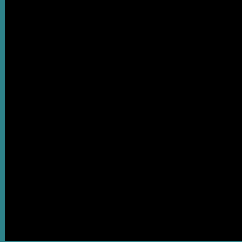
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6484, 0.2329, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 18.6484, 0.2329, 0.3140.



This preview shows how white text looks on a background with the Yxy color 18.6484, 0.2329, 0.3140.

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

18.6484, 0.2329, 0.3140

Protanopia

18.4201, 0.2990, 0.3064

Deuteranopia

18.4069, 0.2894, 0.2833



Tritanopia

18.7841, 0.2318, 0.3079

Trichromacy



Original Color

18.6484, 0.2329, 0.3140

Protanomaly

18.1347, 0.2679, 0.3088

Deuteranomaly

17.8954, 0.2620, 0.2915

Tritanomaly

18.7304, 0.2320, 0.3099

Monochromacy



Original Color

18.6484, 0.2329, 0.3140

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.4543, 0.2723, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6484, 0.2329, 0.3140 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(46, 131, 138)` looks like.

```
.text, #text, p{  
    color:rgb(46, 131, 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(46, 131, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 131, 138) }
```

Border

The CSS property to change the border of an element to Yxy 18.6484, 0.2329, 0.3140 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(46, 131, 138) }
```

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

```
.border{ border-color:rgb(46, 131, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 131, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 131, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 131, 138);  
box-shadow:4px 4px 4px 4px rgb(46, 131,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6484, 0.2329, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 131, 138) }
```

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

```
.background{ background-color: rgb(46, 131,  
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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