

Converting Colors

$Y_{xy}(18.9202, 0.2333, 0.3169)$

Have a look what the booklet for
Yxy(18.9202, 0.2333, 0.3169)
contains.

Yxy(18.8954, 0.2329, 0.3161)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.8954, 0.2329, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	2D848A
RGB	45, 132, 138
RGB Percent	18%, 52%, 54%
CMY	0.8234, 0.4824, 0.4588
CMYK	0.67, 0.04, 0.00, 0.46
HSL	184°, 51%, 36%
HSV	184°, 67%, 54%
XYZ	13.9220, 18.8954, 26.9593
YIQ	106.6710, -53.7780, -16.5780

Conversions

Conversions Part 2

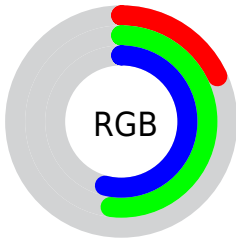
Format	Color
R_{YB}	45, 90, 138
Decimal	2983050
CIE _{Lab}	50.56, -23.35, -10.82
CIE _{LCh}	51, 25.735, 204.864
Yxy	18.8954, 0.2329, 0.3161
Android (android.graphics.Color)	4281173130 (0xFF2D848A)
YUV	106.6710, 15.4452, -54.0855
Hunter-Lab	43.4688, -18.9014, -6.3433

Details

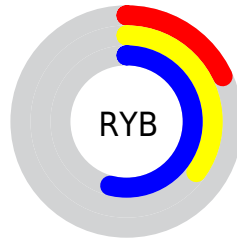
The Yxy color **18.8954, 0.2329, 0.3161** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.9643, 0.5169, 0.3391**, and the grayscale version is **14.5777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4026, 0.2508, 0.3199**, and **6.7392, 0.2192, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **18.3917, 0.2269, 0.3140**, and if you desaturate by 10%, it is **19.5050, 0.2407, 0.3182**.

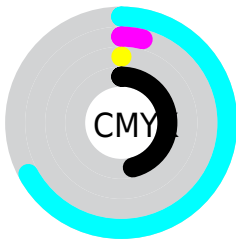
Distribution



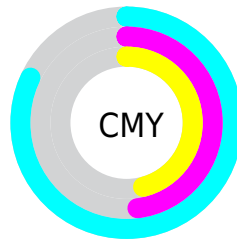
- Red (18%)
- Green (52%)
- Blue (54%)



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



- Cyan (67%)
- Magenta (4%)
- Yellow (0%)
- Black (46%)





- Cyan (82%)
- Magenta (48%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8954, 0.2329, 0.3161 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 18.8954, 0.2329, 0.3161 by changing the saturation by 10% instead.


 18.8954, 0.2329,
0.3161


 18.8954, 0.2329,
0.3161


 245.8707, 0.2776,
0.3246


 11.5947, 0.2199,
0.3129


 41.5573, 0.2505,
0.3199

 6.4684, 0.2020,
0.3080


 57.6873, 0.2566,
0.3211


 3.1319, 0.1760,
0.2995

 77.5291, 0.2617,
0.3220

 1.2010, 0.1286,
0.2850

 101.4673, 0.2660,
0.3228

 0.0625, 0.0000,
0.0705

 129.8861, 0.2695,
0.3234

 0.0000, 0.0000,
0.0000

 163.1701, 0.2726,

0.3239

201.7035, 0.2753,
0.3243

■ 18.8954, 0.2329,
0.3161

■ 18.8954, 0.2329,
0.3161

■ 18.3917, 0.2269,
0.3140

■ 19.5050, 0.2407,
0.3182

■ 17.9813, 0.2227,
0.3119

■ 20.2273, 0.2503,
0.3203

■ 17.6450, 0.2199,
0.3098

■ 21.0711, 0.2614,
0.3223

■ 17.5596, 0.2192,
0.3092

■ 22.0437, 0.2738,
0.3243

■ 23.1519, 0.2874,
0.3261

■ 24.4017, 0.3017,
0.3278

■ 25.7992, 0.3167,
0.3294

■ 27.3497, 0.3319,
0.3308

■ 29.0586, 0.3472,
0.3321

Harmonies

Analogous

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



18.8954, 0.2617, 0.3646



18.8954, 0.2329, 0.3161



18.8954, 0.2243, 0.2766

Triad

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



18.8954, 0.2329, 0.3161



18.8954, 0.3141, 0.2672



18.8954, 0.3920, 0.4026

Complementary

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



18.8954, 0.2329, 0.3161



7.9643, 0.5169, 0.3391

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.



18.8954, 0.4097, 0.3706



18.8954, 0.2329, 0.3161



18.8954, 0.3630, 0.2955

Square

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



18.8954, 0.2329, 0.3161



18.8954, 0.2682, 0.2525



18.8954, 0.3992, 0.3321



18.8954, 0.3533, 0.4171

Rectangle

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



18.8954, 0.2329, 0.3161



18.8954, 0.2302, 0.2601



18.8954, 0.3992, 0.3321



18.8954, 0.4007, 0.3933

Sweetspot

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



18.8961, 0.2329, 0.3161



40.1832, 0.2831, 0.3256



18.9642, 0.3002, 0.5300



8.9059, 0.2798, 0.3251



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.



18.8961, 0.2329, 0.3161



32.0094, 0.2244, 0.3128



9.1891, 0.2080, 0.2108



5.6343, 0.2991, 0.3275



16.1068, 0.2193, 0.3093



0.1147, 0.2222, 0.3197

Inverse Universe

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



8.9488, 0.3297, 0.1893



13.5341, 0.3336, 0.1722



13.9896, 0.4519, 0.4172



5.1235, 0.3146, 0.3088



6.4102, 0.3373, 0.1632



0.0434, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 18.8954, 0.2329, 0.3161 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 18.8954, 0.2329, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

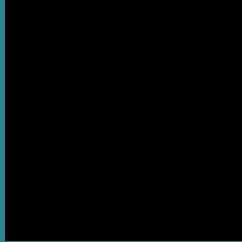
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8954, 0.2329, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 18.8954, 0.2329, 0.3161.



This preview shows how white text looks on a background with the Yxy color 18.8954, 0.2329, 0.3161.

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

18.8954, 0.2329, 0.3161

Protanopia

18.7273, 0.3002, 0.3083

Deuteranopia

18.7106, 0.2906, 0.2853



Tritanopia

18.7899, 0.2307, 0.3059

Trichromacy



Original Color

18.8954, 0.2329, 0.3161

Protanomaly

18.3841, 0.2681, 0.3108

Deuteranomaly

18.1397, 0.2622, 0.2935

Tritanomaly

18.7365, 0.2309, 0.3079

Monochromacy



Original Color

18.8954, 0.2329, 0.3161

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.6836, 0.2725, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8954, 0.2329, 0.3161 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(45, 132, 138)` looks like.

```
.text, #text, p{  
    color:rgb(45, 132, 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(45, 132, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 132, 138) }
```

Border

The CSS property to change the border of an element to Yxy 18.8954, 0.2329, 0.3161 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(45, 132, 138) }
```

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

```
.border{ border-color:rgb(45, 132, 138) }
```

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

Here you see how a box with a 4 pixel rgb(45, 132, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 132, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 132, 138);  
box-shadow:4px 4px 4px 4px rgb(45, 132,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8954, 0.2329, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 132, 138) }
```

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

```
.background{ background-color: rgb(45, 132,  
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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