

Converting Colors

$Y_{xy}(19.8220, 0.2297, 0.3273)$

Have a look what the booklet for
Yxy(19.8220, 0.2297, 0.3273)
contains.

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Color

$\text{Yxy}(19.6757, 0.2295, 0.3266)$

Conversions

Conversions Part 1

Format	Color
Hex	1D8889
RGB	29, 136, 137
RGB Percent	11%, 53%, 54%
CMY	0.8865, 0.4667, 0.4627
CMYK	0.79, 0.01, 0.00, 0.46
HSL	181°, 65%, 33%
HSV	181°, 79%, 54%
XYZ	13.8260, 19.6757, 26.7423
YIQ	104.1210, -64.0930, -22.3730

Conversions

Conversions Part 2

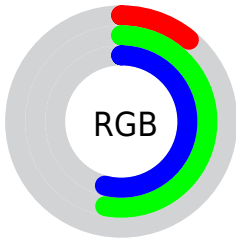
Format	Color
R_{YB}	29, 83, 137
Decimal	1935497
CIE _{Lab}	51.47, -27.85, -8.92
CIE _{LCh}	51, 29.248, 197.766
Yxy	19.6757, 0.2295, 0.3266
Android (android.graphics.Color)	4280125577 (0xFF1D8889)
YUV	104.1210, 16.2093, -65.8811
Hunter-Lab	44.3573, -21.9875, -4.6949

Details

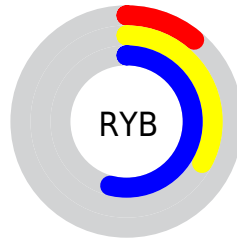
The Yxy color **19.6757, 0.2295, 0.3266** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.3352, 0.5749, 0.3310**, and the grayscale version is **13.8430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9775, 0.2481, 0.3288**, and **7.3437, 0.2238, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **19.4834, 0.2262, 0.3263**, and if you desaturate by 10%, it is **19.9583, 0.2346, 0.3269**.

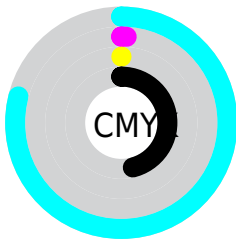
Distribution



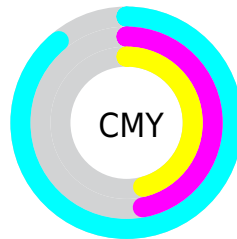
- Red (11%)
- Green (53%)
- Blue (54%)



- Red (11%)
- Yellow (33%)
- Blue (54%)



- Cyan (79%)
- Magenta (1%)
- Yellow (0%)
- Black (46%)




- Cyan (89%)
- Magenta (47%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6757, 0.2295, 0.3266 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 19.6757, 0.2295, 0.3266 by changing the saturation by 10% instead.


 19.6757, 0.2295,
0.3266


 19.6757, 0.2295,
0.3266


 250.1540, 0.2759,
0.3292


 12.1595, 0.2161,
0.3252


 42.8728, 0.2476,
0.3280


 6.8524, 0.1978,
0.3228


 59.3225, 0.2541,
0.3284

 3.3700, 0.1713,
0.3181

 79.5189, 0.2593,
0.3286

 1.3278, 0.1230,
0.3101

 103.8463, 0.2637,
0.3288

 0.1626, 0.0000,
0.1687

 132.6891, 0.2675,
0.3289

 0.0000, 0.0000,
0.0000

 166.4317, 0.2707,

0.3290

205.4586, 0.2735,
0.3291

■ 19.6757, 0.2295,
0.3266

■ 19.6757, 0.2295,
0.3266

■ 19.4834, 0.2262,
0.3263

■ 19.9583, 0.2346,
0.3269

■ 19.3535, 0.2241,
0.3260

■ 20.3395, 0.2415,
0.3272

■ 19.3395, 0.2239,
0.3260

■ 20.8290, 0.2501,
0.3276

■ 21.4349, 0.2605,
0.3279

■ 22.1644, 0.2723,
0.3282

■ 23.0241, 0.2854,
0.3285

■ 24.0204, 0.2996,
0.3288

■ 25.1588, 0.3144,
0.3290

■ 26.4450, 0.3298,
0.3293

Harmonies

Analogous

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



19.6757, 0.2659, 0.3816



19.6757, 0.2295, 0.3266



19.6757, 0.2148, 0.2787

Triad

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



19.6757, 0.2295, 0.3266



19.6757, 0.3009, 0.2552



19.6757, 0.4083, 0.4033

Complementary

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



19.6757, 0.2295, 0.3266



6.3352, 0.5749, 0.3310

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.



19.6757, 0.4216, 0.3645



19.6757, 0.2295, 0.3266



19.6757, 0.3566, 0.2832

Square

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



19.6757, 0.2295, 0.3266



19.6757, 0.2530, 0.2431



19.6757, 0.4024, 0.3218



19.6757, 0.3692, 0.4265

Rectangle

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



19.6757, 0.2295, 0.3266



19.6757, 0.2177, 0.2574



19.6757, 0.4024, 0.3218



19.6757, 0.4161, 0.3914

Sweetspot

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



19.6764, 0.2295, 0.3266



40.3200, 0.2779, 0.3283



18.2454, 0.3015, 0.5685



8.9403, 0.2739, 0.3282



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.



19.6764, 0.2295, 0.3266



34.7001, 0.2246, 0.3261



8.2513, 0.1969, 0.2003



5.6807, 0.2991, 0.3288



18.0106, 0.2239, 0.3260



0.1208, 0.2243, 0.3275

Inverse Universe

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



7.9739, 0.3220, 0.1689



12.8886, 0.3231, 0.1571



11.5925, 0.4886, 0.4154



5.1282, 0.3139, 0.3076



6.6024, 0.3232, 0.1554



0.0440, 0.3220, 0.1547

Previews

White Background



This preview shows how the Yxy color 19.6757, 0.2295, 0.3266 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 19.6757, 0.2295, 0.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

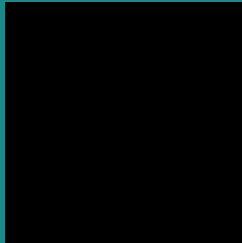
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6757, 0.2295, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 19.6757, 0.2295, 0.3266.

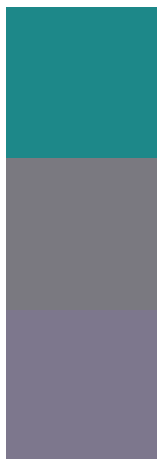


This preview shows how white text looks on a background with the Yxy color 19.6757, 0.2295, 0.3266.

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

19.6757, 0.2295, 0.3266

Protanopia

19.3708, 0.3060, 0.3160

Deuteranopia

19.4767, 0.2953, 0.2896



Tritanopia

19.7783, 0.2257, 0.3062

Trichromacy



Original Color

19.6757, 0.2295, 0.3266

Protanomaly

18.6351, 0.2665, 0.3187

Deuteranomaly

18.7343, 0.2602, 0.2993

Tritanomaly

19.6344, 0.2265, 0.3121

Monochromacy



Original Color

19.6757, 0.2295, 0.3266

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.3295, 0.2673, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6757, 0.2295, 0.3266 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(29, 136, 137)` looks like.

```
.text, #text, p{  
    color:rgb(29, 136, 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(29, 136, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 136, 137) }
```

Border

The CSS property to change the border of an element to Yxy 19.6757, 0.2295, 0.3266 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(29, 136, 137) }
```

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

```
.border{ border-color:rgb(29, 136, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 136, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 136, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 136, 137);  
box-shadow:4px 4px 4px 4px rgb(29, 136,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6757, 0.2295, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 136, 137) }
```

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

```
.background{ background-color: rgb(29, 136,  
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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