

Converting Colors

$Y_{xy}(19.4210, 0.2240, 0.3189)$

Have a look what the booklet for
Yxy(19.4210, 0.2240, 0.3189)
contains.

Yxy(19.3230, 0.2238, 0.3181)	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(19.3230, 0.2238, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	0F878C
RGB	15, 135, 140
RGB Percent	6%, 53%, 55%
CMY	0.9412, 0.4706, 0.4509
CMYK	0.89, 0.04, 0.00, 0.45
HSL	182°, 81%, 30%
HSV	182°, 89%, 55%
XYZ	13.5947, 19.3230, 27.8273
YIQ	99.6900, -73.1250, -23.8850

Conversions

Conversions Part 2

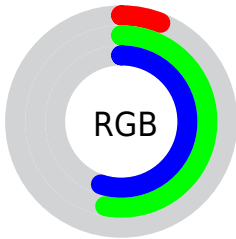
Format	Color
RYB	15, 76, 140
Decimal	1017740
CIELab	51.06, -27.58, -11.30
CIELCh	51, 29.803, 202.272
Yxy	19.3230, 0.2238, 0.3181
Android (android.graphics.Color)	4279207820 (0xFF0F878C)
YUV	99.6900, 19.8728, -74.2731
Hunter-Lab	43.9579, -21.7222, -6.7626

Details

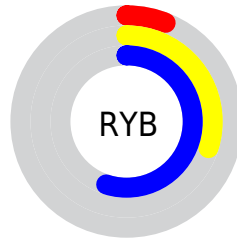
The Yxy color **19.3230, 0.2238, 0.3181** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.1107, 0.6092, 0.3338**, and the grayscale version is **12.6228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4141, 0.2428, 0.3213**, and **7.2352, 0.2202, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **19.0726, 0.2215, 0.3168**, and if you desaturate by 10%, it is **19.6402, 0.2274, 0.3194**.

Distribution



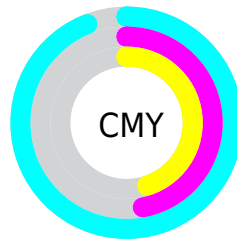
- Red (6%)
- Green (53%)
- Blue (55%)



- Red (6%)
- Yellow (30%)
- Blue (55%)



- Cyan (89%)
- Magenta (4%)
- Yellow (0%)
- Black (45%)





- Cyan (94%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3230, 0.2238, 0.3181 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 19.3230, 0.2238, 0.3181 by changing the saturation by 10% instead.


 19.3230, 0.2238,
0.3181


 19.3230, 0.2238,
0.3181


 248.2261, 0.2733,
0.3258


 11.9039, 0.2096,
0.3151


 42.2792, 0.2431,
0.3216

 6.6783, 0.1902,
0.3103


 58.5851, 0.2499,
0.3227

 3.2617, 0.1625,
0.3019

 78.6220, 0.2556,
0.3235

 1.2699, 0.1113,
0.2879

 102.7744, 0.2603,
0.3241

 0.1177, 0.0000,
0.1136

 131.4266, 0.2643,
0.3247

 0.0000, 0.0000,
0.0000

 164.9630, 0.2677,

0.3251

203.7681, 0.2707,
0.3255

■ 19.3230, 0.2238,
0.3181

■ 19.3230, 0.2238,
0.3181

■ 19.0726, 0.2215,
0.3168

■ 19.6402, 0.2274,
0.3194

■ 19.0553, 0.2213,
0.3167

■ 20.0502, 0.2328,
0.3207

■ 20.5649, 0.2399,
0.3220

■ 21.1940, 0.2488,
0.3233

■ 21.9458, 0.2594,
0.3246

■ 22.8281, 0.2715,
0.3258

■ 23.8480, 0.2847,
0.3270

■ 25.0120, 0.2989,
0.3281

■ 26.3262, 0.3138,
0.3291

Harmonies

Analogous

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



19.3230, 0.2579, 0.3749



19.3230, 0.2238, 0.3181



19.3230, 0.2123, 0.2716

Triad

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



19.3230, 0.2238, 0.3181



19.3230, 0.3090, 0.2569



19.3230, 0.4060, 0.4098

Complementary

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



19.3230, 0.2238, 0.3181



6.1107, 0.6092, 0.3338

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.



19.3230, 0.4243, 0.3716



19.3230, 0.2238, 0.3181



19.3230, 0.3658, 0.2875

Square

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



19.3230, 0.2238, 0.3181



19.3230, 0.2579, 0.2418



19.3230, 0.4097, 0.3280



19.3230, 0.3629, 0.4303

Rectangle

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



19.3230, 0.2238, 0.3181



19.3230, 0.2177, 0.2520



19.3230, 0.4097, 0.3280



19.3230, 0.4154, 0.3983

Sweetspot

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



19.3237, 0.2238, 0.3181



40.5344, 0.2737, 0.3260



18.9078, 0.2996, 0.5842



9.2251, 0.2699, 0.3257



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.3237, 0.2238, 0.3181



33.5329, 0.2213, 0.3165



6.8037, 0.1839, 0.1706



5.6549, 0.2991, 0.3281



16.9361, 0.2213, 0.3168



0.1175, 0.2231, 0.3232

Inverse Universe

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



7.6668, 0.3295, 0.1645



12.8780, 0.3312, 0.1598



11.5948, 0.5062, 0.4224



5.1256, 0.3143, 0.3083



6.4939, 0.3309, 0.1597



0.0436, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 19.3230, 0.2238, 0.3181 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 19.3230, 0.2238, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

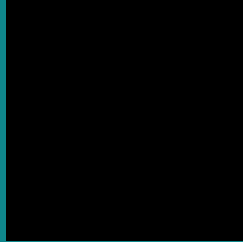
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3230, 0.2238, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 19.3230, 0.2238, 0.3181.



This preview shows how white text looks on a background with the Yxy color 19.3230, 0.2238, 0.3181.

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

19.3230, 0.2238, 0.3181

Protanopia

19.0647, 0.3003, 0.3085

Deuteranopia

19.1081, 0.2886, 0.2823



Tritanopia

19.2767, 0.2219, 0.3058

Trichromacy



Original Color

19.3230, 0.2238, 0.3181

Protanomaly

18.1823, 0.2581, 0.3105

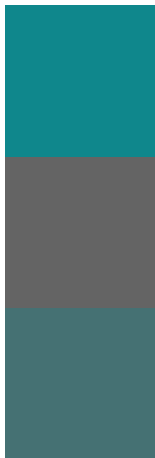
Deuteranomaly

18.2375, 0.2511, 0.2911

Tritanomaly

19.1821, 0.2224, 0.3098

Monochromacy



Original Color

19.3230, 0.2238, 0.3181

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.3133, 0.2595, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3230, 0.2238, 0.3181 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(15, 135, 140)` looks like.

```
.text, #text, p{  
    color:rgb(15, 135, 140)  
}
```

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(15, 135, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 135, 140) }
```

Border

The CSS property to change the border of an element to Yxy 19.3230, 0.2238, 0.3181 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(15, 135, 140) }
```

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

```
.border{ border-color:rgb(15, 135, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 135, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(15, 135, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(15, 135, 140); box-shadow:4px 4px 4px 4px rgb(15, 135, 140) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3230, 0.2238, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 135, 140) }
```

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

```
.background{ background-color: rgb(15, 135,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor