

Converting Colors

$Yxy(19.5395, 0.2407, 0.3487)$

Have a look what the booklet for
Yxy(19.5395, 0.2407, 0.3487)
contains.

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Color

Yxy(19.6120, 0.2406, 0.3483)

Conversions

Conversions Part 1

Format	Color
Hex	29887F
RGB	41, 136, 127
RGB Percent	16%, 53%, 50%
CMY	0.8394, 0.4666, 0.5020
CMYK	0.70, 0.00, 0.07, 0.47
HSL	174°, 54%, 35%
HSV	174°, 70%, 53%
XYZ	13.5477, 19.6120, 23.1481
YIQ	106.5690, -53.7310, -22.9390

Conversions

Conversions Part 2

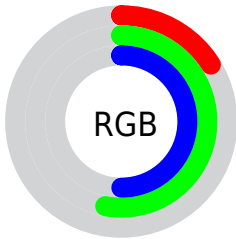
Format	Color
RYB	41, 91, 136
Decimal	2721919
CIELab	51.40, -29.32, -3.17
CIElCh	51, 29.486, 186.166
Yxy	19.6120, 0.2406, 0.3483
Android (android.graphics.Color)	4280911999 (0xFF29887F)
YUV	106.5690, 10.0725, -57.5040
Hunter-Lab	44.2854, -22.8934, 0.0087

Details

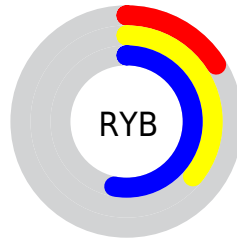
The Yxy color **19.6120, 0.2406, 0.3483** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.0477, 0.5158, 0.3155**, and the grayscale version is **14.5575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8315, 0.2563, 0.3440**, and **7.0471, 0.2312, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **19.3467, 0.2364, 0.3515**, and if you desaturate by 10%, it is **19.9758, 0.2466, 0.3452**.

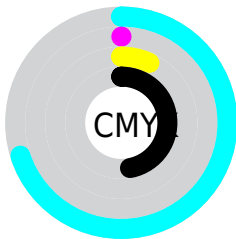
Distribution



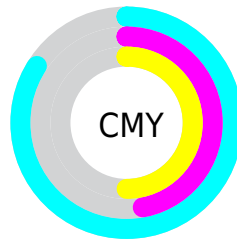
- Red (16%)
- Green (53%)
- Blue (50%)



- Red (16%)
- Yellow (36%)
- Blue (53%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (47%)





- Cyan (84%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6120, 0.2406, 0.3483 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 19.6120, 0.2406, 0.3483 by changing the saturation by 10% instead.


 19.6120, 0.2406,
0.3483


 19.6120, 0.2406,
0.3483


249.8068, 0.2813,
0.3378


 12.1133, 0.2286,
0.3511


 42.7657, 0.2566,
0.3443


 6.8209, 0.2120,
0.3549


 59.1895, 0.2623,
0.3429


 3.3503, 0.1874,
0.3600

 79.3572, 0.2669,
0.3417

 1.3173, 0.1364,
0.3718

 103.6531, 0.2707,
0.3407

 0.1545, 0.0000,
0.2839

 132.4616, 0.2740,
0.3398

 0.0000, 0.0000,
0.0000

 166.1671, 0.2767,

0.3391

205.1541, 0.2792,
0.3384

■ 19.6120, 0.2406,
0.3483

■ 19.6120, 0.2406,
0.3483

■ 19.3467, 0.2364,
0.3515

■ 19.9758, 0.2466,
0.3452

■ 19.1672, 0.2340,
0.3546

■ 20.4450, 0.2544,
0.3421

■ 19.0443, 0.2327,
0.3577

■ 21.0281, 0.2637,
0.3392

■ 19.0429, 0.2327,
0.3578

■ 21.7324, 0.2745,
0.3363

■ 22.5644, 0.2865,
0.3337

■ 23.5304, 0.2993,
0.3312

■ 24.6360, 0.3129,
0.3290

■ 25.8866, 0.3268,
0.3269

■ 27.2873, 0.3409,
0.3251

Harmonies

Analogous

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



19.6120, 0.2842, 0.4005



19.6120, 0.2406, 0.3483



19.6120, 0.2169, 0.2950

Triad

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



19.6120, 0.2406, 0.3483



19.6120, 0.2804, 0.2478



19.6120, 0.4180, 0.3898

Complementary

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



19.6120, 0.2406, 0.3483



7.0477, 0.5158, 0.3155

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.



19.6120, 0.4190, 0.3481



19.6120, 0.2406, 0.3483



19.6120, 0.3353, 0.2703

Square

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



19.6120, 0.2406, 0.3483



19.6120, 0.2383, 0.2427



19.6120, 0.3878, 0.3058



19.6120, 0.3873, 0.4211

Rectangle

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



19.6120, 0.2406, 0.3483



19.6120, 0.2140, 0.2680



19.6120, 0.3878, 0.3058



19.6120, 0.4220, 0.3765

Sweetspot

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



19.6128, 0.2406, 0.3483



39.5158, 0.2845, 0.3341



18.4598, 0.3091, 0.5413



9.0678, 0.2816, 0.3347



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.



19.6128, 0.2406, 0.3483



33.8865, 0.2348, 0.3533



10.9812, 0.2132, 0.2408



5.6806, 0.3003, 0.3311



18.0225, 0.2327, 0.3577



0.1208, 0.2284, 0.3422

Inverse Universe

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



7.0477, 0.5158, 0.3155



10.2304, 0.5826, 0.3181



10.9832, 0.4794, 0.3945



5.0558, 0.3266, 0.3270



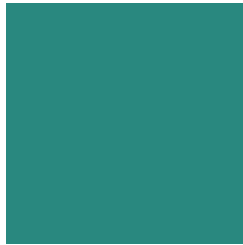
4.9820, 0.6253, 0.3218



0.0340, 0.5664, 0.2894

Previews

White Background



This preview shows how the Yxy color 19.6120, 0.2406, 0.3483 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 19.6120, 0.2406, 0.3483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

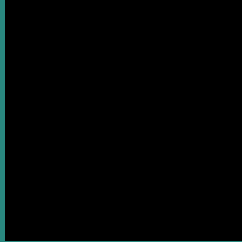
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6120, 0.2406, 0.3483

Background



This preview shows how black text looks on a background with the Yxy color 19.6120, 0.2406, 0.3483.

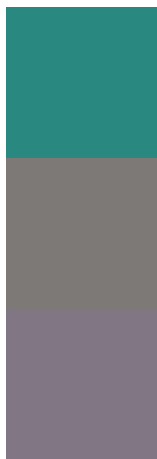


This preview shows how white text looks on a background with the Yxy color 19.6120, 0.2406, 0.3483.

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

19.6120, 0.2406, 0.3483

Protanopia

19.3427, 0.3212, 0.3346

Deuteranopia

19.2627, 0.3113, 0.3055



Tritanopia

19.4668, 0.2318, 0.3062

Trichromacy



Original Color

19.6120, 0.2406, 0.3483

Protanomaly

18.6819, 0.2819, 0.3391

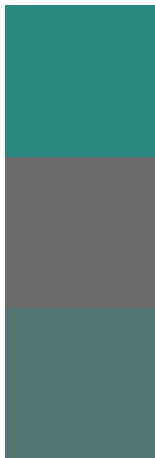
Deuteranomaly

18.8203, 0.2761, 0.3190

Tritanomaly

19.4895, 0.2348, 0.3204

Monochromacy



Original Color

19.6120, 0.2406, 0.3483

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.0108, 0.2759, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6120, 0.2406, 0.3483 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(41, 136, 127)` looks like.

```
.text, #text, p{  
    color:rgb(41, 136, 127)  
}
```

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(41, 136, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 136, 127) }
```

Border

The CSS property to change the border of an element to Yxy 19.6120, 0.2406, 0.3483 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(41, 136, 127) }
```

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

```
.border{ border-color:rgb(41, 136, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 136, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 136, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 136, 127);  
box-shadow:4px 4px 4px 4px rgb(41, 136,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6120, 0.2406, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 136, 127) }
```

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

```
.background{ background-color: rgb(41, 136,  
127) }
```

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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