

Converting Colors

$Y_{xy}(19.9297, 0.2611, 0.3565)$

Have a look what the booklet for
Yxy(19.9297, 0.2611, 0.3565)
contains.

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Color

$Y_{xy}(19.9983, 0.2607, 0.3563)$

Conversions

Conversions Part 1

Format	Color
Hex	45877A
RGB	69, 135, 122
RGB Percent	27%, 53%, 48%
CMY	0.7292, 0.4706, 0.5216
CMYK	0.49, 0.00, 0.10, 0.47
HSL	168°, 32%, 40%
HSV	168°, 49%, 53%
XYZ	14.6325, 19.9983, 21.4969
YIQ	113.7840, -35.1630, -18.0350

Conversions

Conversions Part 2

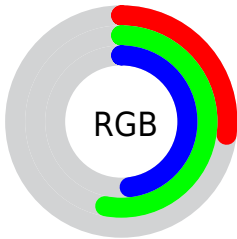
Format	Color
RYB	69, 106, 135
Decimal	4556666
CIELab	51.84, -24.42, 0.50
CIELCh	52, 24.422, 178.828
Yxy	19.9983, 0.2607, 0.3563
Android (android.graphics.Color)	4282746746 (0xFF45877A)
YUV	113.7840, 4.0505, -39.2756
Hunter-Lab	44.7195, -19.8527, 2.8026

Details

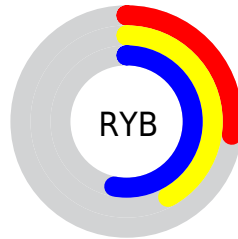
The Yxy color **19.9983, 0.2607, 0.3563** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0221, 0.4151, 0.3048**, and the grayscale version is **16.7577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5888, 0.2728, 0.3512**, and **7.0361, 0.2399, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **19.4949, 0.2535, 0.3629**, and if you desaturate by 10%, it is **20.6175, 0.2694, 0.3499**.

Distribution



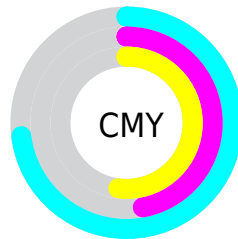
- Red (27%)
- Green (53%)
- Blue (48%)



- Red (27%)
- Yellow (42%)
- Blue (53%)



- Cyan (49%)
- Magenta (0%)
- Yellow (10%)
- Black (47%)




- Cyan (73%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9983, 0.2607, 0.3563 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 19.9983, 0.2607, 0.3563 by changing the saturation by 10% instead.


 19.9983, 0.2607,
0.3563

 19.9983, 0.2607,
0.3563


251.9059, 0.2902,
0.3408


 12.3938, 0.2518,
0.3610


 43.4143, 0.2724,
0.3501


 7.0125, 0.2394,
0.3676


 59.9947, 0.2765,
0.3480

 3.4699, 0.2206,
0.3776

 80.3357, 0.2799,
0.3462

 1.3817, 0.1861,
0.3960

 104.8219, 0.2826,
0.3447

 0.2032, 0.0000,
0.5217

 133.8377, 0.2850,
0.3435

 0.0000, 0.0000,
0.0000

167.7673, 0.2870,

0.3425

206.9953, 0.2887,
0.3416

■ 19.9983, 0.2607,
0.3563

■ 19.9983, 0.2607,
0.3563

■ 19.4949, 0.2535,
0.3629

■ 20.6175, 0.2694,
0.3499

■ 19.0971, 0.2481,
0.3698

■ 21.3571, 0.2793,
0.3439

■ 18.7970, 0.2444,
0.3767


■ 22.2242, 0.2902,
0.3383

■ 18.5845, 0.2426,
0.3837

■ 23.2250, 0.3019,
0.3332

■ 18.4346, 0.2421,
0.3906


■ 24.3650, 0.3141,
0.3285

 18.4181, 0.2421,
0.3914

 25.6494, 0.3266,
0.3242

 27.0833, 0.3391,
0.3205

 28.6714, 0.3515,
0.3171

 30.4183, 0.3637,
0.3141

Harmonies

Analogous

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



19.9983, 0.3003, 0.3947



19.9983, 0.2607, 0.3563



19.9983, 0.2358, 0.3117

Triad

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



19.9983, 0.2607, 0.3563



19.9983, 0.2763, 0.2582



19.9983, 0.4023, 0.3728

Complementary

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



19.9983, 0.2607, 0.3563



10.0221, 0.4151, 0.3048

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.



19.9983, 0.3960, 0.3371



19.9983, 0.2607, 0.3563



19.9983, 0.3203, 0.2739

Square

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



19.9983, 0.2607, 0.3563



19.9983, 0.2444, 0.2585



19.9983, 0.3651, 0.3019



19.9983, 0.3830, 0.4008

Rectangle

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



19.9983, 0.2607, 0.3563



19.9983, 0.2299, 0.2866



19.9983, 0.3651, 0.3019



19.9983, 0.4032, 0.3613

Sweetspot

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



19.9991, 0.2607, 0.3563



40.4037, 0.2943, 0.3365



19.5620, 0.3189, 0.4712



9.2833, 0.2922, 0.3374



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.



19.9991, 0.2607, 0.3563



34.7966, 0.2526, 0.3639



15.3257, 0.2427, 0.2864



5.2636, 0.3016, 0.3333



16.9861, 0.2420, 0.3912



0.0598, 0.2329, 0.3583

Inverse Universe

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



10.0221, 0.4151, 0.3048



14.6606, 0.4548, 0.3006



12.6972, 0.4222, 0.3666



4.7026, 0.3251, 0.3247



4.8228, 0.6019, 0.3089



0.0176, 0.5081, 0.2573

Previews

White Background



This preview shows how the Yxy color 19.9983, 0.2607, 0.3563 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 19.9983, 0.2607, 0.3563 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 19.9983, 0.2607, 0.3563

Background



This preview shows how black text looks on a background with the Yxy color 19.9983, 0.2607, 0.3563.

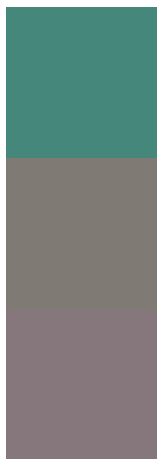


This preview shows how white text looks on a background with the Yxy color 19.9983, 0.2607, 0.3563.

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

19.9983, 0.2607, 0.3563

Protanopia

19.6689, 0.3271, 0.3421

Deuteranopia

19.7427, 0.3245, 0.3183



Tritanopia

19.9816, 0.2475, 0.3070

Trichromacy



Original Color

19.9983, 0.2607, 0.3563

Protanomaly

19.5509, 0.2980, 0.3468

Deuteranomaly

19.4375, 0.2962, 0.3309

Tritanomaly

19.9408, 0.2526, 0.3248

Monochromacy



Original Color

19.9983, 0.2607, 0.3563

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.8001, 0.2898, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9983, 0.2607, 0.3563 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(69, 135, 122)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 122)  
}
```

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(69, 135, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 122) }
```

Border

The CSS property to change the border of an element to Yxy 19.9983, 0.2607, 0.3563 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(69, 135, 122) }
```

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

```
.border{ border-color:rgb(69, 135, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 122);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9983, 0.2607, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 122) }
```

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

```
.background{ background-color: rgb(69, 135,  
122) }
```

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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