

Converting Colors

$Yxy(19.5715, 0.2559, 0.3397)$

Have a look what the booklet for
Yxy(19.5715, 0.2559, 0.3397)
contains.

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Color

$\text{Yxy}(19.6357, 0.2559, 0.3393)$

Conversions

Conversions Part 1

Format	Color
Hex	468580
RGB	70, 133, 128
RGB Percent	27%, 52%, 50%
CMY	0.7254, 0.4784, 0.4981
CMYK	0.47, 0.00, 0.04, 0.48
HSL	175°, 31%, 40%
HSV	175°, 47%, 52%
XYZ	14.8092, 19.6357, 23.4263
YIQ	113.5930, -35.9430, -14.9110

Conversions

Conversions Part 2

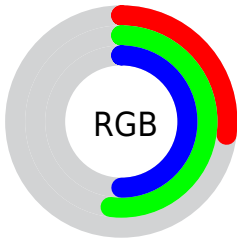
Format	Color
RYB	70, 103, 133
Decimal	4621696
CIELab	51.42, -21.56, -3.60
CIELCh	51, 21.862, 189.468
Yxy	19.6357, 0.2559, 0.3393
Android (android.graphics.Color)	4282811776 (0xFF468580)
YUV	113.5930, 7.1027, -38.2311
Hunter-Lab	44.3122, -17.8912, -0.3260

Details

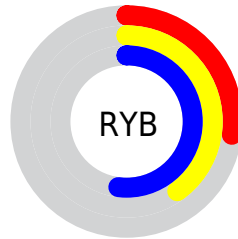
The Yxy color **19.6357, 0.2559, 0.3393** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9.8768, 0.4253, 0.3198**, and the grayscale version is **16.6864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6650, 0.2685, 0.3362**, and **6.8222, 0.2329, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **19.1676, 0.2476, 0.3418**, and if you desaturate by 10%, it is **20.2152, 0.2658, 0.3369**.

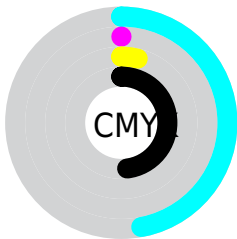
Distribution



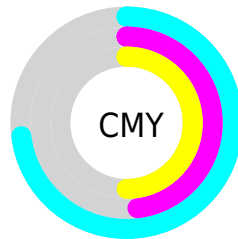
- Red (27%)
- Green (52%)
- Blue (50%)



- Red (27%)
- Yellow (40%)
- Blue (52%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (48%)




- Cyan (73%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6357, 0.2559, 0.3393 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 19.6357, 0.2559, 0.3393 by changing the saturation by 10% instead.


 19.6357, 0.2559,
0.3393


 19.6357, 0.2559,
0.3393


249.9361, 0.2880,
0.3338


 12.1305, 0.2464,
0.3407


 42.8056, 0.2686,
0.3373

 6.8326, 0.2330,
0.3426


 59.2390, 0.2731,
0.3365

 3.3576, 0.2131,
0.3449

 79.4174, 0.2767,
0.3359

 1.3212, 0.1783,
0.3487

 103.7250, 0.2797,
0.3353

 0.1575, 0.0000,
0.2714

 132.5463, 0.2823,
0.3349

 0.0000, 0.0000,
0.0000

166.2656, 0.2845,

0.3345

205.2674, 0.2864,
0.3342

■ 19.6357, 0.2559,
0.3393

■ 19.6357, 0.2559,
0.3393

■ 19.1676, 0.2476,
0.3418

■ 20.2152, 0.2658,
0.3369

■ 18.8013, 0.2411,
0.3444

■ 20.9104, 0.2770,
0.3346

■ 18.5293, 0.2363,
0.3470

■ 21.7283, 0.2893,
0.3324

■ 18.3421, 0.2333,
0.3496

■ 22.6745, 0.3026,
0.3304

■ 18.2208, 0.2317,
0.3522

■ 23.7544, 0.3164,
0.3285

■ 18.1911, 0.2314,
0.3529

■ 24.9729, 0.3306,
0.3269

■ 26.3349, 0.3449,
0.3254

■ 27.8449, 0.3592,
0.3241

■ 29.5072, 0.3732,
0.3229

Harmonies

Analogous

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



19.6357, 0.2880, 0.3773



19.6357, 0.2559, 0.3393



19.6357, 0.2391, 0.3010

Triad

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



19.6357, 0.2559, 0.3393



19.6357, 0.2933, 0.2682



19.6357, 0.3898, 0.3793

Complementary

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



19.6357, 0.2559, 0.3393



9.8768, 0.4253, 0.3198

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.



19.6357, 0.3924, 0.3486



19.6357, 0.2559, 0.3393



19.6357, 0.3346, 0.2870

Square

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



19.6357, 0.2559, 0.3393



19.6357, 0.2595, 0.2631



19.6357, 0.3718, 0.3156



19.6357, 0.3657, 0.3994

Rectangle

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



19.6357, 0.2559, 0.3393



19.6357, 0.2379, 0.2814



19.6357, 0.3718, 0.3156



19.6357, 0.3933, 0.3698

Sweetspot

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



19.6365, 0.2559, 0.3393



39.4001, 0.2933, 0.3318



18.7245, 0.3112, 0.4693



8.8084, 0.2909, 0.3321



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.6365, 0.2559, 0.3393



34.2549, 0.2469, 0.3421



13.4606, 0.2417, 0.2713



5.2727, 0.3002, 0.3307



17.3272, 0.2314, 0.3529



0.0605, 0.2278, 0.3399

Inverse Universe

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



9.8768, 0.4253, 0.3198



14.5187, 0.4680, 0.3183



13.8419, 0.4105, 0.3792



4.6943, 0.3268, 0.3273



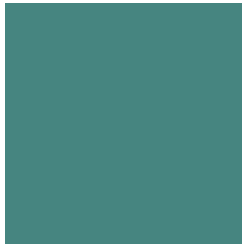
4.7725, 0.6275, 0.3231



0.0169, 0.5766, 0.2950

Previews

White Background



This preview shows how the Yxy color 19.6357, 0.2559, 0.3393 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 19.6357, 0.2559, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

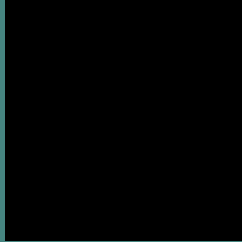
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

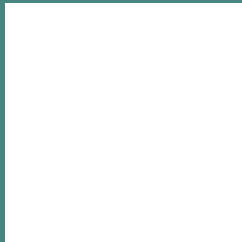
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6357, 0.2559, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 19.6357, 0.2559, 0.3393.



This preview shows how white text looks on a background with the Yxy color 19.6357, 0.2559, 0.3393.

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

19.6357, 0.2559, 0.3393

Protanopia

19.3403, 0.3164, 0.3290

Deuteranopia

19.3414, 0.3126, 0.3056



Tritanopia

19.6414, 0.2472, 0.3068

Trichromacy



Original Color

19.6357, 0.2559, 0.3393

Protanomaly

19.0655, 0.2895, 0.3309

Deuteranomaly

18.9658, 0.2877, 0.3154

Tritanomaly

19.7251, 0.2507, 0.3187

Monochromacy



Original Color

19.6357, 0.2559, 0.3393

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.6033, 0.2876, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6357, 0.2559, 0.3393 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(70, 133, 128)` looks like.

```
.text, #text, p{  
    color:rgb(70, 133, 128)  
}
```

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(70, 133, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 133, 128) }
```

Border

The CSS property to change the border of an element to Yxy 19.6357, 0.2559, 0.3393 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(70, 133, 128) }
```

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

```
.border{ border-color:rgb(70, 133, 128) }
```

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

Here you see how a box with a 4 pixel rgb(70, 133, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 133, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 133, 128);  
box-shadow:4px 4px 4px 4px rgb(70, 133,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6357, 0.2559, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 133, 128) }
```

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

```
.background{ background-color: rgb(70, 133,  
128) }
```

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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