

Converting Colors

$Y_{xy}(19.9019, 0.2290, 0.2879)$

Have a look what the booklet for
Yxy(19.9019, 0.2290, 0.2879)
contains.

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Color

Yxy(19.9780, 0.2290, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	39859A
RGB	57, 133, 154
RGB Percent	22%, 52%, 60%
CMY	0.7763, 0.4784, 0.3962
CMYK	0.63, 0.14, 0.00, 0.40
HSL	193°, 46%, 41%
HSV	193°, 63%, 60%
XYZ	15.9074, 19.9780, 33.5792
YIQ	112.6700, -52.0370, -9.5810

Conversions

Conversions Part 2

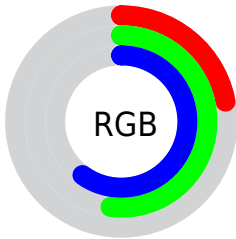
Format	Color
R_{YB}	57, 100, 154
Decimal	3769754
CIE _{Lab}	51.81, -16.75, -18.21
CIE _{LCh}	52, 24.740, 227.384
Yxy	19.9780, 0.2290, 0.2876
Android (android.graphics.Color)	4281959834 (0xFF39859A)
YUV	112.6700, 20.3757, -48.8226
Hunter-Lab	44.6968, -14.6920, -13.2548

Details

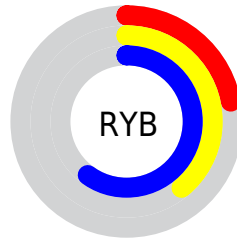
The Yxy color **19.9780, 0.2290, 0.2876** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.6142, 0.4820, 0.3622**, and the grayscale version is **16.3637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2493, 0.2470, 0.2977**, and **7.1658, 0.2081, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **18.6945, 0.2202, 0.2799**, and if you desaturate by 10%, it is **21.4291, 0.2395, 0.2952**.

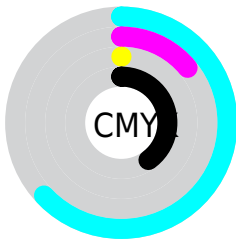
Distribution



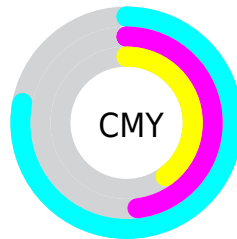
- Red (22%)
- Green (52%)
- Blue (60%)



- Red (22%)
- Yellow (39%)
- Blue (60%)



- Cyan (63%)
- Magenta (14%)
- Yellow (0%)
- Black (40%)



- Cyan (78%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9780, 0.2290, 0.2876 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 19.9780, 0.2290, 0.2876 by changing the saturation by 10% instead.

■ 19.9780, 0.2290,
0.2876

■ 19.9780, 0.2290,
0.2876

251.7960, 0.2752,
0.3121

■ 12.3791, 0.2159,
0.2799

■ 43.3803, 0.2469,
0.2976

■ 7.0024, 0.1982,
0.2689

■ 59.9524, 0.2533,
0.3010

■ 3.4636, 0.1731,
0.2521

■ 80.2844, 0.2586,
0.3037

■ 1.3783, 0.1355,
0.2240

■ 104.7607, 0.2630,
0.3060

■ 0.2006, 0.0000,
0.1119

■ 133.7655, 0.2667,
0.3079

■ 0.0000, 0.0000,
0.0000

167.6835, 0.2700,

0.3095

206.8988, 0.2728,
0.3109

■ 19.9780, 0.2290,
0.2876

■ 19.9780, 0.2290,
0.2876

■ 18.6945, 0.2202,
0.2799

■ 21.4291, 0.2395,
0.2952

■ 17.5634, 0.2133,
0.2721

■ 23.0573, 0.2515,
0.3025

■ 16.5699, 0.2082,
0.2643

■ 24.8734, 0.2646,
0.3094

■ 15.9245, 0.2052,
0.2588

■ 26.8871, 0.2787,
0.3159

■ 29.1071, 0.2933,
0.3220

■ 31.5416, 0.3083,
0.3275

■ 34.1982, 0.3233,
0.3325

■ 37.0842, 0.3381,
0.3370

■ 40.2065, 0.3527,
0.3409

Harmonies

Analogous

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



19.9780, 0.2423, 0.3282



19.9780, 0.2290, 0.2876



19.9780, 0.2358, 0.2624

Triad

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



19.9780, 0.2290, 0.2876



19.9780, 0.3493, 0.2896



19.9780, 0.3617, 0.4109

Complementary

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



19.9780, 0.2290, 0.2876



12.6142, 0.4820, 0.3622

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.



19.9780, 0.3941, 0.3924



19.9780, 0.2290, 0.2876



19.9780, 0.3877, 0.3231

Square

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



19.9780, 0.2290, 0.2876



19.9780, 0.3025, 0.2655



19.9780, 0.4043, 0.3599



19.9780, 0.3175, 0.4051

Rectangle

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



19.9780, 0.2290, 0.2876



19.9780, 0.2511, 0.2558



19.9780, 0.4043, 0.3599



19.9780, 0.3744, 0.4070

Sweetspot

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



19.9787, 0.2290, 0.2876



48.8481, 0.2839, 0.3181



24.5023, 0.2916, 0.4906



10.5645, 0.2801, 0.3165



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



19.9787, 0.2290, 0.2876



32.0830, 0.2168, 0.2763



9.8779, 0.2063, 0.1877



6.7996, 0.2989, 0.3241



13.0318, 0.2054, 0.2594



0.2453, 0.2149, 0.2938

Inverse Universe

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



11.4912, 0.3528, 0.2131



16.9810, 0.3649, 0.1969



21.8042, 0.4264, 0.4348



6.3007, 0.3168, 0.3117



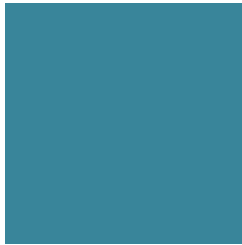
6.7209, 0.3829, 0.1883



0.1056, 0.3510, 0.1707

Previews

White Background



This preview shows how the Yxy color 19.9780, 0.2290, 0.2876 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 19.9780, 0.2290, 0.2876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

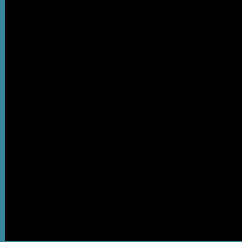
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9780, 0.2290, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 19.9780, 0.2290, 0.2876.



This preview shows how white text looks on a background with the Yxy color 19.9780, 0.2290, 0.2876.

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

19.9780, 0.2290, 0.2876

Protanopia

19.8459, 0.2825, 0.2857

Deuteranopia

19.8910, 0.2708, 0.2659



Tritanopia

19.8514, 0.2332, 0.3064

Trichromacy



Original Color

19.9780, 0.2290, 0.2876

Protanomaly

19.5784, 0.2583, 0.2855

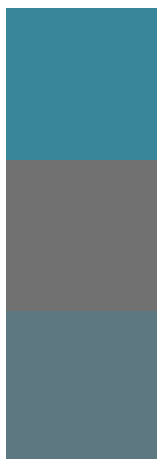
Deuteranomaly

19.5004, 0.2514, 0.2715

Tritanomaly

19.9726, 0.2317, 0.3007

Monochromacy



Original Color

19.9780, 0.2290, 0.2876

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.3186, 0.2730, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9780, 0.2290, 0.2876 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(57, 133, 154)` looks like.

```
.text, #text, p{  
  color:rgb(57, 133, 154)  
}
```

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(57, 133, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 133, 154) }
```

Border

The CSS property to change the border of an element to Yxy 19.9780, 0.2290, 0.2876 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(57, 133, 154) }
```

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

```
.border{ border-color:rgb(57, 133, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 133, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 133, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 133, 154);  
box-shadow:4px 4px 4px 4px rgb(57, 133,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9780, 0.2290, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 133, 154) }
```

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

```
.background{ background-color: rgb(57, 133,  
154) }
```

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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