

Converting Colors

$Y_{xy}(19.7516, 0.2266, 0.2942)$

Have a look what the booklet for
Yxy(19.7516, 0.2266, 0.2942)
contains.

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Color

$\text{Yxy}(19.6138, 0.2260, 0.2926)$

Conversions

Conversions Part 1

Format	Color
Hex	2F8597
RGB	47, 133, 151
RGB Percent	18%, 52%, 59%
CMY	0.8153, 0.4785, 0.4078
CMYK	0.69, 0.12, 0.00, 0.41
HSL	190°, 52%, 39%
HSV	190°, 69%, 59%
XYZ	15.1494, 19.6138, 32.2696
YIQ	109.3380, -57.0340, -12.6340

Conversions

Conversions Part 2

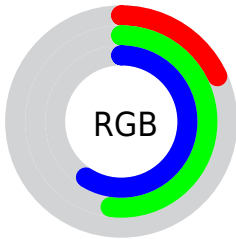
Format	Color
RYB	47, 94, 151
Decimal	3114391
CIELab	51.40, -19.41, -17.14
CIELCh	51, 25.897, 221.446
Yxy	19.6138, 0.2260, 0.2926
Android (android.graphics.Color)	4281304471 (0xFF2F8597)
YUV	109.3380, 20.5394, -54.6704
Hunter-Lab	44.2875, -16.4436, -12.1998




Details

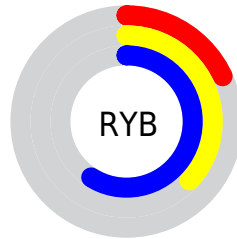
The Yxy color **19.6138, 0.2260, 0.2926** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.5798, 0.5110, 0.3563**, and the grayscale version is **15.3541, 0.3127, 0.3290**.




A 20% lighter version of the original color is **42.6514, 0.2449, 0.3015**, and **7.1066, 0.2103, 0.2771** is the 20% darker color. If you saturate the color by 10%, you get **18.6069, 0.2189, 0.2865**, and if you desaturate by 10%, it is **20.7643, 0.2349, 0.2986**.

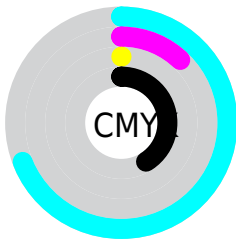
Distribution







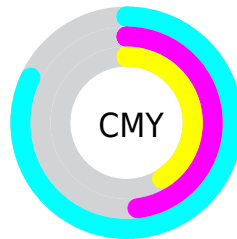
-  Red (18%)
-  Green (52%)
-  Blue (59%)






-  Red (18%)
-  Yellow (37%)
-  Blue (59%)



-  Cyan (69%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (41%)



-  Cyan (82%)
-  Magenta (48%)
-  Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6138, 0.2260, 0.2926 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 19.6138, 0.2260, 0.2926 by changing the saturation by 10% instead.

■ 19.6138, 0.2260,
0.2926

■ 19.6138, 0.2260,
0.2926

■ 249.8167, 0.2740,
0.3145

■ 12.1146, 0.2124,
0.2855

■ 42.7687, 0.2446,
0.3016

■ 6.8218, 0.1939,
0.2753

■ 59.1933, 0.2513,
0.3047

■ 3.3509, 0.1678,
0.2594

■ 79.3618, 0.2567,
0.3071

■ 1.3176, 0.1278,
0.2322

■ 103.6585, 0.2613,
0.3091

■ 0.1547, 0.0000,
0.0979

■ 132.4680, 0.2652,
0.3108

■ 0.0000, 0.0000,
0.0000

■ 166.1746, 0.2685,

0.3122

205.1627, 0.2714,
0.3134

■ 19.6138, 0.2260,
0.2926

■ 19.6138, 0.2260,
0.2926

■ 18.6069, 0.2189,
0.2865

■ 20.7643, 0.2349,
0.2986

■ 17.7279, 0.2136,
0.2804

■ 22.0678, 0.2455,
0.3045

■ 16.9486, 0.2098,
0.2743

■ 23.5355, 0.2576,
0.3102

■ 16.8584, 0.2093,
0.2736

■ 25.1768, 0.2708,
0.3156

■ 27.0001, 0.2848,
0.3206

■ 29.0135, 0.2995,
0.3252

■ 31.2245, 0.3145,
0.3295

■ 33.6401, 0.3296,
0.3333

■ 36.2670, 0.3445,
0.3368

Harmonies

Analogous

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



19.6138, 0.2439, 0.3376



19.6138, 0.2260, 0.2926



19.6138, 0.2290, 0.2627

Triad

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



19.6138, 0.2260, 0.2926



19.6138, 0.3415, 0.2817



19.6138, 0.3722, 0.4131

Complementary

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



19.6138, 0.2260, 0.2926



10.5798, 0.5110, 0.3563

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.



19.6138, 0.4025, 0.3894



19.6138, 0.2260, 0.2926



19.6138, 0.3852, 0.3152

Square

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



19.6138, 0.2260, 0.2926



19.6138, 0.2925, 0.2591



19.6138, 0.4080, 0.3535



19.6138, 0.3271, 0.4130

Rectangle

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



19.6138, 0.2260, 0.2926



19.6138, 0.2424, 0.2533



19.6138, 0.4080, 0.3535



19.6138, 0.3845, 0.4073

Sweetspot

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



19.6145, 0.2260, 0.2926



47.4632, 0.2811, 0.3193



23.1181, 0.2931, 0.5140



10.5983, 0.2775, 0.3181



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.



19.6145, 0.2260, 0.2926



32.3710, 0.2156, 0.2829



8.8358, 0.1989, 0.1801



6.8443, 0.2989, 0.3250



14.3762, 0.2095, 0.2740



0.2573, 0.2169, 0.3009

Inverse Universe

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



10.3142, 0.3494, 0.2000



15.7223, 0.3598, 0.1856



19.3630, 0.4413, 0.4367



6.3053, 0.3162, 0.3108



6.8566, 0.3691, 0.1807



0.1068, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 19.6138, 0.2260, 0.2926 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 19.6138, 0.2260, 0.2926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

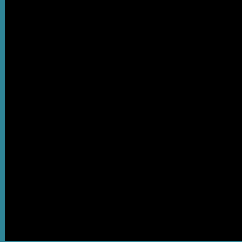
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6138, 0.2260, 0.2926

Background



This preview shows how black text looks on a background with the Yxy color 19.6138, 0.2260, 0.2926.



This preview shows how white text looks on a background with the Yxy color 19.6138, 0.2260, 0.2926.

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

19.6138, 0.2260, 0.2926

Protanopia

19.5095, 0.2854, 0.2890

Deuteranopia

19.3087, 0.2733, 0.2669



Tritanopia

19.6081, 0.2285, 0.3062

Trichromacy



Original Color

19.6138, 0.2260, 0.2926

Protanomaly

19.0179, 0.2569, 0.2885

Deuteranomaly

18.9905, 0.2509, 0.2742

Tritanomaly

19.6923, 0.2276, 0.3023

Monochromacy



Original Color

19.6138, 0.2260, 0.2926

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.3905, 0.2692, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6138, 0.2260, 0.2926 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(47, 133, 151)` looks like.

```
.text, #text, p{  
    color:rgb(47, 133, 151)  
}
```

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(47, 133, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 133, 151) }
```

Border

The CSS property to change the border of an element to Yxy 19.6138, 0.2260, 0.2926 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(47, 133, 151) }
```

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

```
.border{ border-color:rgb(47, 133, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 133, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 133, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 133, 151);  
box-shadow:4px 4px 4px 4px rgb(47, 133,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6138, 0.2260, 0.2926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 133, 151) }
```

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

```
.background{ background-color: rgb(47, 133,  
151) }
```

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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