

Converting Colors

$Y_{xy}(19.9303, 0.2513, 0.3670)$

Have a look what the booklet for
Yxy(19.9303, 0.2513, 0.3670)
contains.

Yxy(19.9270, 0.2519, 0.3680)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9270, 0.2519, 0.3680)

Conversions

Conversions Part 1

Format	Color
Hex	338977
RGB	51, 137, 119
RGB Percent	20%, 54%, 47%
CMY	0.8001, 0.4627, 0.5333
CMYK	0.63, 0.00, 0.13, 0.46
HSL	167°, 46%, 37%
HSV	167°, 63%, 54%
XYZ	13.6402, 19.9270, 20.5822
YIQ	109.2340, -45.4780, -23.8300

Conversions

Conversions Part 2

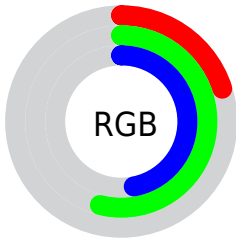
Format	Color
RYB	51, 99, 137
Decimal	3377527
CIELab	51.75, -30.27, 2.04
CIElCh	52, 30.337, 176.151
Yxy	19.9270, 0.2519, 0.3680
Android (android.graphics.Color)	4281567607 (0xFF338977)
YUV	109.2340, 4.8146, -51.0712
Hunter-Lab	44.6397, -23.5764, 3.9107

Details

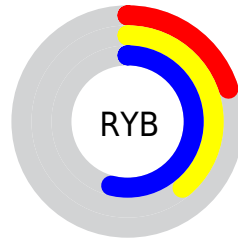
The Yxy color **19.9270, 0.2519, 0.3680** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.1143, 0.4620, 0.2981**, and the grayscale version is **15.3577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3277, 0.2658, 0.3593**, and **7.1105, 0.2391, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **19.5551, 0.2472, 0.3754**, and if you desaturate by 10%, it is **20.4074, 0.2583, 0.3608**.

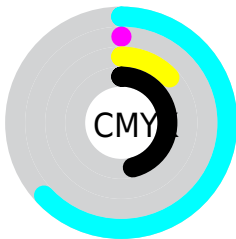
Distribution



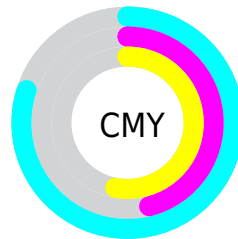
- Red (20%)
- Green (54%)
- Blue (47%)



- Red (20%)
- Yellow (39%)
- Blue (54%)



- Cyan (63%)
- Magenta (0%)
- Yellow (13%)
- Black (46%)



- Cyan (80%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9270, 0.2519, 0.3680 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 19.9270, 0.2519, 0.3680 by changing the saturation by 10% instead.

■ 19.9270, 0.2519,
0.3680

■ 19.9270, 0.2519,
0.3680

■ 251.5197, 0.2865,
0.3456

■ 12.3420, 0.2415,
0.3749

■ 43.2948, 0.2657,
0.3590

■ 6.9770, 0.2269,
0.3846

■ 59.8463, 0.2705,
0.3559

■ 3.4477, 0.2049,
0.3996

■ 80.1555, 0.2744,
0.3534

■ 1.3697, 0.1568,
0.4312

■ 104.6067, 0.2776,
0.3513

■ 0.1942, 0.0000,
0.7375

■ 133.5843, 0.2804,
0.3495

■ 0.0000, 0.0000,
0.0000

■ 167.4727, 0.2827,

0.3480

206.6564, 0.2848,
0.3467

■ 19.9270, 0.2519,
0.3680

■ 19.9270, 0.2519,
0.3680

■ 19.5551, 0.2472,
0.3754

■ 20.4074, 0.2583,
0.3608

■ 19.2799, 0.2444,
0.3828

■ 21.0023, 0.2663,
0.3539

■ 19.0908, 0.2434,
0.3902

■ 21.7201, 0.2757,
0.3474

■ 18.9823, 0.2432,
0.3956

■ 22.5678, 0.2862,
0.3412

■ 23.5515, 0.2975,
0.3355

■ 24.6774, 0.3093,
0.3304

■ 25.9510, 0.3216,
0.3257

■ 27.3776, 0.3339,
0.3215

■ 28.9622, 0.3462,
0.3177

Harmonies

Analogous

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



19.9270, 0.3013, 0.4155



19.9270, 0.2519, 0.3680



19.9270, 0.2204, 0.3110

Triad

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



19.9270, 0.2519, 0.3680



19.9270, 0.2633, 0.2422



19.9270, 0.4245, 0.3773

Complementary

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



19.9270, 0.2519, 0.3680



8.1143, 0.4620, 0.2981

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.



19.9270, 0.4142, 0.3336



19.9270, 0.2519, 0.3680



19.9270, 0.3163, 0.2597

Square

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



19.9270, 0.2519, 0.3680



19.9270, 0.2268, 0.2437



19.9270, 0.3731, 0.2920



19.9270, 0.4021, 0.4144

Rectangle

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



19.9270, 0.2519, 0.3680



19.9270, 0.2121, 0.2792



19.9270, 0.3731, 0.2920



19.9270, 0.4249, 0.3629

Sweetspot

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



19.9278, 0.2519, 0.3680



40.9780, 0.2899, 0.3393



19.4192, 0.3194, 0.5150



9.0967, 0.2871, 0.3407



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.



19.9278, 0.2519, 0.3680



34.8075, 0.2459, 0.3782



14.2378, 0.2268, 0.2750



5.6710, 0.3017, 0.3336



17.6828, 0.2432, 0.3954



0.1196, 0.2334, 0.3603

Inverse Universe

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



8.1143, 0.4620, 0.2981



11.8487, 0.5163, 0.2971



10.6381, 0.4710, 0.3724



5.0646, 0.3250, 0.3244



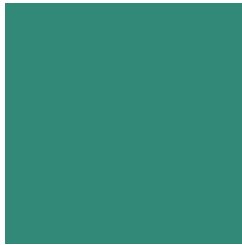
5.0367, 0.5989, 0.3073



0.0352, 0.5024, 0.2541

Previews

White Background



This preview shows how the Yxy color 19.9270, 0.2519, 0.3680 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 19.9270, 0.2519, 0.3680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

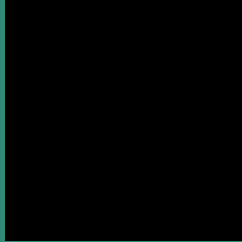
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9270, 0.2519, 0.3680

Background



This preview shows how black text looks on a background with the Yxy color 19.9270, 0.2519, 0.3680.

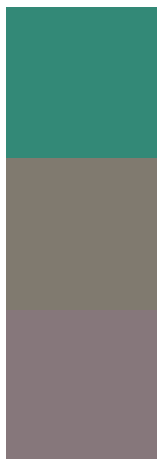


This preview shows how white text looks on a background with the Yxy color 19.9270, 0.2519, 0.3680.

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

19.9270, 0.2519, 0.3680

Protanopia

19.6560, 0.3331, 0.3495

Deuteranopia

19.6920, 0.3270, 0.3219



Tritanopia

19.7808, 0.2378, 0.3066

Trichromacy



Original Color

19.9270, 0.2519, 0.3680

Protanomaly

19.1030, 0.2955, 0.3554

Deuteranomaly

19.2699, 0.2916, 0.3369

Tritanomaly

19.6693, 0.2423, 0.3267

Monochromacy



Original Color

19.9270, 0.2519, 0.3680

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.4606, 0.2825, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9270, 0.2519, 0.3680 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(51, 137, 119)` looks like.

```
.text, #text, p{  
    color:rgb(51, 137, 119)  
}
```

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(51, 137, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 137, 119) }
```

Border

The CSS property to change the border of an element to Yxy 19.9270, 0.2519, 0.3680 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(51, 137, 119) }
```

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

```
.border{ border-color:rgb(51, 137, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 137, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 137, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 137, 119);  
box-shadow:4px 4px 4px 4px rgb(51, 137,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9270, 0.2519, 0.3680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 137, 119) }
```

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

```
.background{ background-color: rgb(51, 137,  
119) }
```

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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