

Converting Colors

$Y_{xy}(19.9098, 0.2522, 0.3288)$

Have a look what the booklet for
Yxy(19.9098, 0.2522, 0.3288)
contains.

Yxy(19.8081, 0.2527, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.8081, 0.2527, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	478585
RGB	71, 133, 133
RGB Percent	28%, 52%, 52%
CMY	0.7213, 0.4785, 0.4784
CMYK	0.47, 0.00, 0.00, 0.48
HSL	180°, 30%, 40%
HSV	180°, 47%, 52%
XYZ	15.2236, 19.8081, 25.2120
YIQ	114.4620, -36.9520, -13.1440

Conversions

Conversions Part 2

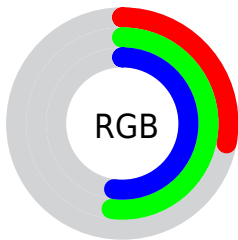
Format	Color
R_{YB}	71, 102, 133
Decimal	4687237
CIE _{Lab}	51.62, -19.93, -6.23
CIE _{LCh}	52, 20.877, 197.356
Yxy	19.8081, 0.2527, 0.3288
Android (android.graphics.Color)	4282877317 (0xFF478585)
YUV	114.4620, 9.1392, -38.1162
Hunter-Lab	44.5063, -16.8293, -2.4322

Details

The Yxy color **19.8081, 0.2527, 0.3288** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9.9595, 0.4323, 0.3294**, and the grayscale version is **16.9589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9481, 0.2660, 0.3289**, and **6.9048, 0.2284, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **19.3587, 0.2437, 0.3288**, and if you desaturate by 10%, it is **20.3692, 0.2633, 0.3288**.

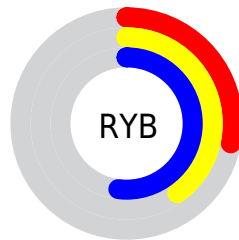
Distribution



Red (28%)

Green (52%)

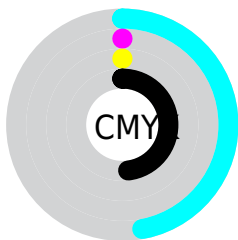
Blue (52%)



Red (28%)

Yellow (40%)

Blue (52%)

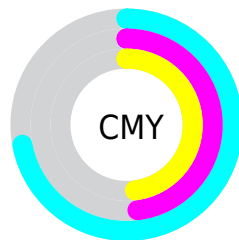


Cyan (47%)

Magenta (0%)

Yellow (0%)

Black (48%)



Cyan (72%)


Magenta (48%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8081, 0.2527, 0.3288 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 19.8081, 0.2527, 0.3288 by changing the saturation by 10% instead.


 19.8081, 0.2527,
0.3288


 19.8081, 0.2527,
0.3288


250.8744, 0.2864,
0.3295


 12.2556, 0.2428,
0.3283


 43.0952, 0.2660,
0.3293

 6.9180, 0.2290,
0.3273


 59.5986, 0.2707,
0.3294


 3.4109, 0.2086,
0.3252

 79.8545, 0.2745,
0.3295

 1.3498, 0.1748,
0.3205

 104.2472, 0.2777,
0.3295

 0.1793, 0.0000,
0.2214

 133.1612, 0.2804,
0.3295

 0.0000, 0.0000,
0.0000

166.9808, 0.2827,

0.3295

206.0903, 0.2847,
0.3295

■ 19.8081, 0.2527,
0.3288

■ 19.8081, 0.2527,
0.3288

■ 19.3587, 0.2437,
0.3288

■ 20.3692, 0.2633,
0.3288

■ 19.0113, 0.2365,
0.3287

■ 21.0462, 0.2754,
0.3289

■ 18.7587, 0.2311,
0.3287


■ 21.8461, 0.2887,
0.3289


■ 18.5915, 0.2275,
0.3287

■ 22.7744, 0.3030,
0.3290

■ 18.4931, 0.2253,
0.3287


■ 23.8365, 0.3179,
0.3290

 18.4634, 0.2246,
0.3287

 25.0374, 0.3333,
0.3291

 26.3818, 0.3489,
0.3291

 27.8742, 0.3645,
0.3292

 29.5191, 0.3798,
0.3292

Harmonies

Analogous

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



19.8081, 0.2801, 0.3662



19.8081, 0.2527, 0.3288



19.8081, 0.2410, 0.2944

Triad

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



19.8081, 0.2527, 0.3288



19.8081, 0.3043, 0.2744



19.8081, 0.3819, 0.3835

Complementary

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



19.8081, 0.2527, 0.3288



9.9595, 0.4323, 0.3294

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.



19.8081, 0.3901, 0.3561



19.8081, 0.2527, 0.3288



19.8081, 0.3438, 0.2953

Square

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



19.8081, 0.2527, 0.3288



19.8081, 0.2693, 0.2659



19.8081, 0.3760, 0.3244



19.8081, 0.3547, 0.3982

Rectangle

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



19.8081, 0.2527, 0.3288



19.8081, 0.2430, 0.2780



19.8081, 0.3760, 0.3244



19.8081, 0.3870, 0.3753

Sweetspot

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



19.8089, 0.2527, 0.3288



39.4731, 0.2918, 0.3289



18.5740, 0.3062, 0.4688



8.8270, 0.2892, 0.3289



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.



19.8089, 0.2527, 0.3288



34.6159, 0.2432, 0.3288



12.5459, 0.2408, 0.2606



5.2788, 0.2992, 0.3290



17.5859, 0.2246, 0.3287



0.0609, 0.2247, 0.3287

Inverse Universe

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



11.1956, 0.3178, 0.2201



17.1717, 0.3188, 0.1990



14.9527, 0.4037, 0.3878



4.7628, 0.3137, 0.3076



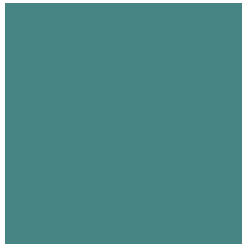
6.3623, 0.3210, 0.1542



0.0220, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 19.8081, 0.2527, 0.3288 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 19.8081, 0.2527, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

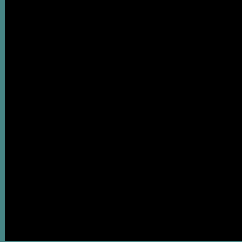
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8081, 0.2527, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 19.8081, 0.2527, 0.3288.



This preview shows how white text looks on a background with the Yxy color 19.8081, 0.2527, 0.3288.

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

19.8081, 0.2527, 0.3288

Protanopia

19.6364, 0.3094, 0.3216

Deuteranopia

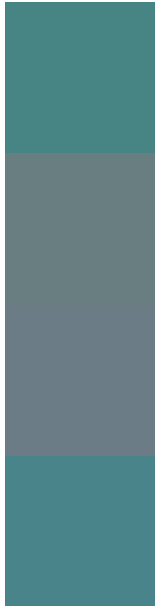
19.5604, 0.3044, 0.2985



Tritanopia

19.9114, 0.2476, 0.3089

Trichromacy



Original Color

19.8081, 0.2527, 0.3288

Protanomaly

19.4497, 0.2846, 0.3231

Deuteranomaly

19.2904, 0.2816, 0.3079

Tritanomaly

19.7831, 0.2491, 0.3147

Monochromacy



Original Color

19.8081, 0.2527, 0.3288

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.6519, 0.2856, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8081, 0.2527, 0.3288 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(71, 133, 133)` looks like.

```
.text, #text, p{  
    color:rgb(71, 133, 133)  
}
```

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(71, 133, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 133, 133) }
```

Border

The CSS property to change the border of an element to Yxy 19.8081, 0.2527, 0.3288 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(71, 133, 133) }
```

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

```
.border{ border-color:rgb(71, 133, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 133, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 133, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 133, 133);  
box-shadow:4px 4px 4px 4px rgb(71, 133,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8081, 0.2527, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 133, 133) }
```

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

```
.background{ background-color: rgb(71, 133,  
133) }
```

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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