

Converting Colors

$Y_{xy}(20.4253, 0.2546, 0.3431)$

Have a look what the booklet for
Yxy(20.4253, 0.2546, 0.3431)
contains.

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Color

$\text{Yxy}(20.4222, 0.2547, 0.3433)$

Conversions

Conversions Part 1

Format	Color
Hex	448881
RGB	68, 136, 129
RGB Percent	27%, 53%, 51%
CMY	0.7333, 0.4667, 0.4941
CMYK	0.50, 0.00, 0.05, 0.47
HSL	174°, 33%, 40%
HSV	174°, 50%, 53%
XYZ	15.1516, 20.4222, 23.9141
YIQ	114.8700, -38.2810, -16.5930

Conversions

Conversions Part 2

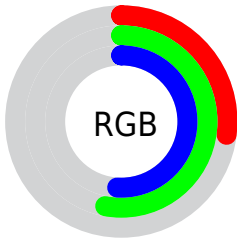
Format	Color
RYB	68, 104, 136
Decimal	4491393
CIELab	52.31, -23.34, -2.89
CIElCh	52, 23.515, 187.061
Yxy	20.4222, 0.2547, 0.3433
Android (android.graphics.Color)	4282681473 (0xFF448881)
YUV	114.8700, 6.9661, -41.1050
Hunter-Lab	45.1909, -19.2368, 0.2586

Details

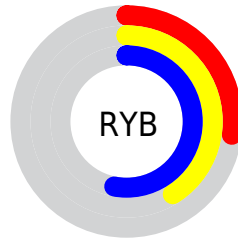
The Yxy color **20.4222, 0.2547, 0.3433** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.8788, 0.4321, 0.3164**, and the grayscale version is **17.0919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2693, 0.2673, 0.3406**, and **7.2606, 0.2318, 0.3487** is the 20% darker color. If you saturate the color by 10%, you get **19.9523, 0.2470, 0.3466**, and if you desaturate by 10%, it is **21.0076, 0.2640, 0.3401**.

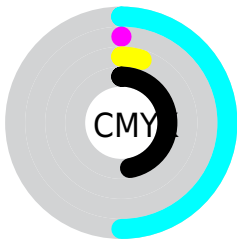
Distribution



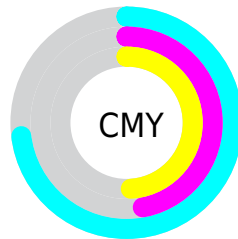
- Red (27%)
- Green (53%)
- Blue (51%)



- Red (27%)
- Yellow (41%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)





- Cyan (73%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4222, 0.2547, 0.3433 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 20.4222, 0.2547, 0.3433 by changing the saturation by 10% instead.


 20.4222, 0.2547,
0.3433


 20.4222, 0.2547,
0.3433


254.1916, 0.2873,
0.3356


 12.7023, 0.2451,
0.3454


 44.1239, 0.2676,
0.3403

 7.2239, 0.2317,
0.3482


 60.8745, 0.2721,
0.3393


 3.6025, 0.2119,
0.3521

 81.4042, 0.2758,
0.3384

 1.4538, 0.1787,
0.3580

 106.0972, 0.2789,
0.3377

 0.2559, 0.0000,
0.3474

 135.3381, 0.2815,
0.3370

 0.0000, 0.0000,
0.0000

169.5112, 0.2837,

0.3365

209.0009, 0.2856,
0.3360

■ 20.4222, 0.2547,
0.3433

■ 20.4222, 0.2547,
0.3433

■ 19.9523, 0.2470,
0.3466

■ 21.0076, 0.2640,
0.3401

■ 19.5877, 0.2411,
0.3500

■ 21.7134, 0.2747,
0.3370

■ 19.3201, 0.2370,
0.3535


■ 22.5470, 0.2865,
0.3341

■ 19.1390, 0.2346,
0.3569


■ 23.5145, 0.2993,
0.3315


■ 19.0138, 0.2334,
0.3603

■ 24.6216, 0.3127,
0.3290

 19.0136, 0.2334,
0.3603

 25.8738, 0.3265,
0.3268

 27.2760, 0.3405,
0.3248

 28.8333, 0.3545,
0.3230

 30.5502, 0.3683,
0.3215

Harmonies

Analogous

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



20.4222, 0.2896, 0.3832



20.4222, 0.2547, 0.3433



20.4222, 0.2356, 0.3020

Triad

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



20.4222, 0.2547, 0.3433



20.4222, 0.2887, 0.2638



20.4222, 0.3956, 0.3797

Complementary

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



20.4222, 0.2547, 0.3433



9.8788, 0.4321, 0.3164

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.



20.4222, 0.3965, 0.3466



20.4222, 0.2547, 0.3433



20.4222, 0.3323, 0.2825

Square

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



20.4222, 0.2547, 0.3433



20.4222, 0.2541, 0.2596



20.4222, 0.3728, 0.3120



20.4222, 0.3715, 0.4026

Rectangle

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



20.4222, 0.2547, 0.3433



20.4222, 0.2334, 0.2805



20.4222, 0.3728, 0.3120



20.4222, 0.3987, 0.3693

Sweetspot

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



20.4230, 0.2547, 0.3433



40.4994, 0.2924, 0.3329



19.5602, 0.3131, 0.4776



9.3081, 0.2901, 0.3333



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.



20.4230, 0.2547, 0.3433



35.0672, 0.2461, 0.3471



14.1461, 0.2388, 0.2725



5.6799, 0.3004, 0.3312



17.9967, 0.2334, 0.3602



0.1207, 0.2287, 0.3434

Inverse Universe

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



9.8788, 0.4321, 0.3164



14.2500, 0.4769, 0.3146



13.6710, 0.4202, 0.3778



5.0564, 0.3265, 0.3268



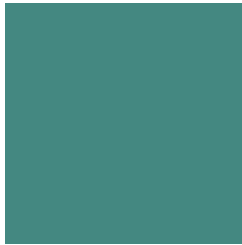
4.9848, 0.6239, 0.3211



0.0341, 0.5611, 0.2865

Previews

White Background



This preview shows how the Yxy color 20.4222, 0.2547, 0.3433 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 20.4222, 0.2547, 0.3433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

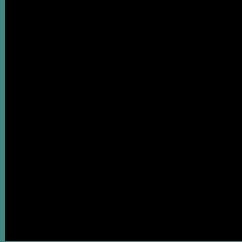
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4222, 0.2547, 0.3433

Background



This preview shows how black text looks on a background with the Yxy color 20.4222, 0.2547, 0.3433.



This preview shows how white text looks on a background with the Yxy color 20.4222, 0.2547, 0.3433.

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

20.4222, 0.2547, 0.3433

Protanopia

20.3325, 0.3186, 0.3327

Deuteranopia

20.2462, 0.3136, 0.3095



Tritanopia

20.4803, 0.2461, 0.3091

Trichromacy



Original Color

20.4222, 0.2547, 0.3433

Protanomaly

19.9832, 0.2909, 0.3348

Deuteranomaly

19.8116, 0.2880, 0.3194

Tritanomaly

20.5316, 0.2488, 0.3208

Monochromacy



Original Color

20.4222, 0.2547, 0.3433

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.1187, 0.2868, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4222, 0.2547, 0.3433 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(68, 136, 129)` looks like.

```
.text, #text, p{  
    color:rgb(68, 136, 129)  
}
```

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(68, 136, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 136, 129) }
```

Border

The CSS property to change the border of an element to Yxy 20.4222, 0.2547, 0.3433 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(68, 136, 129) }
```

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

```
.border{ border-color:rgb(68, 136, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 136, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 136, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 136, 129);  
box-shadow:4px 4px 4px 4px rgb(68, 136,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4222, 0.2547, 0.3433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 136, 129) }
```

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

```
.background{ background-color: rgb(68, 136,  
129) }
```

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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