

Converting Colors

$Y_{xy}(21.0396, 0.2492, 0.3350)$

Have a look what the booklet for
Yxy(21.0396, 0.2492, 0.3350)
contains.

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Color

$\text{Yxy}(21.0500, 0.2489, 0.3349)$

Conversions

Conversions Part 1

Format	Color
Hex	418A87
RGB	65, 138, 135
RGB Percent	25%, 54%, 53%
CMY	0.7449, 0.4588, 0.4706
CMYK	0.53, 0.00, 0.02, 0.46
HSL	178°, 36%, 40%
HSV	178°, 53%, 54%
XYZ	15.6445, 21.0500, 26.1601
YIQ	115.8310, -42.5450, -16.4090

Conversions

Conversions Part 2

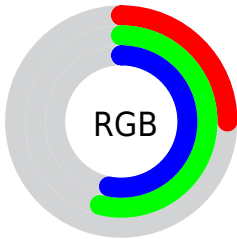
Format	Color
R _Y B	65, 102, 138
Decimal	4295303
CIE Lab	53.00, -23.41, -5.36
CIE LCh	53, 24.021, 192.897
Yxy	21.0500, 0.2489, 0.3349
Android (android.graphics.Color)	4282485383 (0xFF418A87)
YUV	115.8310, 9.4503, -44.5788
Hunter-Lab	45.8803, -19.4246, -1.6899




Details

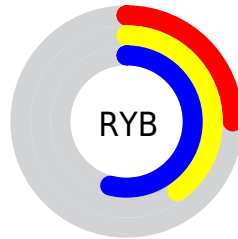
The Yxy color **21.0500, 0.2489, 0.3349** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6087, 0.4525, 0.3240**, and the grayscale version is **17.3958, 0.3127, 0.3290**.




A 20% lighter version of the original color is **45.2521, 0.2628, 0.3346**, and **7.6353, 0.2273, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **20.6196, 0.2413, 0.3362**, and if you desaturate by 10%, it is **21.5972, 0.2582, 0.3336**.

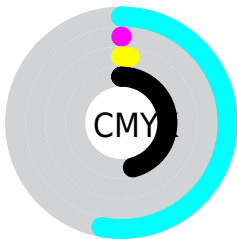
Distribution







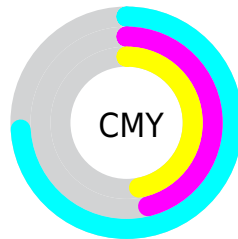
-  Red (25%)
-  Green (54%)
-  Blue (53%)






-  Red (25%)
-  Yellow (40%)
-  Blue (54%)



-  Cyan (53%)
-  Magenta (0%)
-  Yellow (2%)
-  Black (46%)





-  Cyan (74%)
-  Magenta (46%)
-  Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0500, 0.2489, 0.3349 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 21.0500, 0.2489, 0.3349 by changing the saturation by 10% instead.


 21.0500, 0.2489,
0.3349


 21.0500, 0.2489,
0.3349


257.5441, 0.2845,
0.3322


 13.1606, 0.2386,
0.3354


 45.1707, 0.2628,
0.3340

 7.5392, 0.2244,
0.3358


 62.1708, 0.2677,
0.3337

 3.8015, 0.2036,
0.3359

 82.9766, 0.2718,
0.3333

 1.5632, 0.1706,
0.3347

 107.9724, 0.2751,
0.3330

 0.3326, 0.0000,
0.3110

 137.5426, 0.2780,
0.3328

 0.0000, 0.0000,
0.0000

172.0717, 0.2805,

0.3326

211.9441, 0.2826,
0.3324

■ 21.0500, 0.2489,
0.3349

■ 21.0500, 0.2489,
0.3349

■ 20.6196, 0.2413,
0.3362

■ 21.5972, 0.2582,
0.3336

■ 20.2951, 0.2355,
0.3375

■ 22.2665, 0.2691,
0.3324

■ 20.0675, 0.2315,
0.3388

■ 23.0656, 0.2812,
0.3313

■ 19.9254, 0.2292,
0.3401

■ 24.0011, 0.2945,
0.3302

■ 19.8505, 0.2281,
0.3410

■ 25.0790, 0.3086,
0.3293

■ 26.3050, 0.3232,
0.3284

■ 27.6844, 0.3381,
0.3276

■ 29.2224, 0.3531,
0.3269

■ 30.9238, 0.3680,
0.3263

Harmonies

Analogous

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



21.0500, 0.2815, 0.3769



21.0500, 0.2489, 0.3349



21.0500, 0.2332, 0.2947

Triad

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



21.0500, 0.2489, 0.3349



21.0500, 0.2966, 0.2657



21.0500, 0.3934, 0.3858

Complementary

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



21.0500, 0.2489, 0.3349



9.6087, 0.4525, 0.3240

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.



21.0500, 0.3993, 0.3536



21.0500, 0.2489, 0.3349



21.0500, 0.3411, 0.2871

Square

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



21.0500, 0.2489, 0.3349



21.0500, 0.2592, 0.2584



21.0500, 0.3798, 0.3183



21.0500, 0.3652, 0.4058

Rectangle

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



21.0500, 0.2489, 0.3349



21.0500, 0.2335, 0.2749



21.0500, 0.3798, 0.3183



21.0500, 0.3982, 0.3759

Sweetspot

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



21.0508, 0.2489, 0.3349



41.7059, 0.2898, 0.3306



19.8125, 0.3083, 0.4896



9.2892, 0.2874, 0.3308



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.



21.0508, 0.2489, 0.3349



36.2514, 0.2403, 0.3364



13.0997, 0.2327, 0.2574



5.6851, 0.2996, 0.3299



18.2021, 0.2281, 0.3410



0.1214, 0.2262, 0.3344

Inverse Universe

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



9.6087, 0.4525, 0.3240



13.8765, 0.5027, 0.3236



14.4986, 0.4238, 0.3890



5.0517, 0.3274, 0.3281



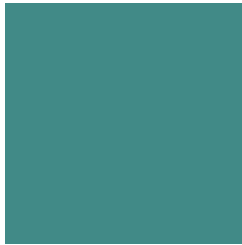
4.9660, 0.6337, 0.3264



0.0334, 0.6052, 0.3107

Previews

White Background



This preview shows how the Yxy color 21.0500, 0.2489, 0.3349 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 21.0500, 0.2489, 0.3349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

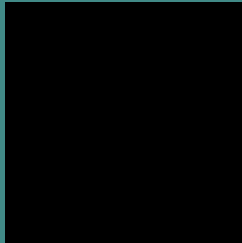
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0500, 0.2489, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 21.0500, 0.2489, 0.3349.



This preview shows how white text looks on a background with the Yxy color 21.0500, 0.2489, 0.3349.

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

21.0500, 0.2489, 0.3349

Protanopia

20.7887, 0.3141, 0.3254

Deuteranopia

20.6596, 0.3068, 0.3010



Tritanopia

20.9801, 0.2420, 0.3072

Trichromacy



Original Color

21.0500, 0.2489, 0.3349

Protanomaly

20.5802, 0.2851, 0.3289

Deuteranomaly

20.4326, 0.2812, 0.3120

Tritanomaly

21.1034, 0.2446, 0.3169

Monochromacy



Original Color

21.0500, 0.2489, 0.3349

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.3868, 0.2828, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0500, 0.2489, 0.3349 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(65, 138, 135)` looks like.

```
.text, #text, p{  
  color:rgb(65, 138, 135)  
}
```

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(65, 138, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 138, 135) }
```

Border

The CSS property to change the border of an element to Yxy 21.0500, 0.2489, 0.3349 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(65, 138, 135) }
```

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

```
.border{ border-color:rgb(65, 138, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 138, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 138, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 138, 135);  
box-shadow:4px 4px 4px 4px rgb(65, 138,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0500, 0.2489, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 138, 135) }
```

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

```
.background{ background-color: rgb(65, 138,  
135) }
```

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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