

Converting Colors

$Y_{xy}(21.3462, 0.2496, 0.3382)$

Have a look what the booklet for
Yxy(21.3462, 0.2496, 0.3382)
contains.

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Color

Yxy(21.3103, 0.2500, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	418B86
RGB	65, 139, 134
RGB Percent	25%, 55%, 53%
CMY	0.7451, 0.4549, 0.4745
CMYK	0.53, 0.00, 0.04, 0.45
HSL	176°, 36%, 40%
HSV	176°, 53%, 55%
XYZ	15.7156, 21.3103, 25.8364
YIQ	116.3040, -42.4990, -17.2430

Conversions

Conversions Part 2

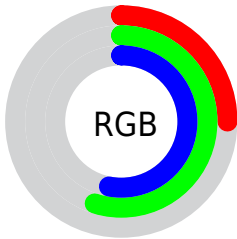
Format	Color
R _{YB}	65, 103, 139
Decimal	4295558
CIE Lab	53.29, -24.22, -4.36
CIE LCh	53, 24.610, 190.199
Yxy	21.3103, 0.2500, 0.3390
Android (android.graphics.Color)	4282485638 (0xFF418B86)
YUV	116.3040, 8.7241, -44.9936
Hunter-Lab	46.1631, -20.0176, -0.8691

Details

The Yxy color **21.3103, 0.2500, 0.3390** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.7133, 0.4502, 0.3205**, and the grayscale version is **17.5466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6497, 0.2636, 0.3375**, and **7.8006, 0.2282, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **20.8675, 0.2426, 0.3412**, and if you desaturate by 10%, it is **21.8718, 0.2591, 0.3369**.

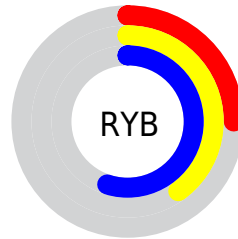
Distribution



Red (25%)

Green (55%)

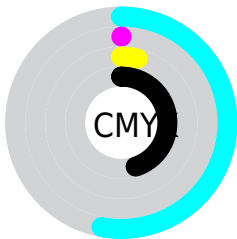
Blue (53%)



Red (25%)

Yellow (40%)

Blue (55%)

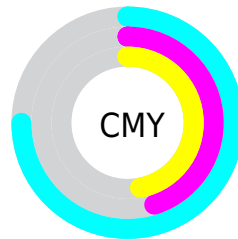


Cyan (53%)

Magenta (0%)

Yellow (4%)

Black (45%)



Cyan (75%)


Magenta (45%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3103, 0.2500, 0.3390 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 21.3103, 0.2500, 0.3390 by changing the saturation by 10% instead.


 21.3103, 0.2500,
0.3390


 21.3103, 0.2500,
0.3390


258.9230, 0.2849,
0.3339


 13.3510, 0.2399,
0.3402


 45.6034, 0.2637,
0.3372


 7.6707, 0.2259,
0.3418


 62.7060, 0.2685,
0.3365

 3.8850, 0.2055,
0.3435

 83.6251, 0.2725,
0.3359

 1.6094, 0.1730,
0.3452

 108.7452, 0.2758,
0.3354

 0.3639, 0.0000,
0.3418

 138.4507, 0.2786,
0.3349

 0.0000, 0.0000,
0.0000

173.1258, 0.2810,

0.3345

213.1552, 0.2831,
0.3342

■ 21.3103, 0.2500,
0.3390

■ 21.3103, 0.2500,
0.3390

■ 20.8675, 0.2426,
0.3412

■ 21.8718, 0.2591,
0.3369

■ 20.5321, 0.2371,
0.3434

■ 22.5572, 0.2696,
0.3349

■ 20.2951, 0.2333,
0.3456

■ 23.3747, 0.2815,
0.3329

■ 20.1445, 0.2313,
0.3478

■ 24.3308, 0.2944,
0.3312

■ 20.0667, 0.2304,
0.3493

■ 25.4316, 0.3082,
0.3295

■ 26.6831, 0.3224,
0.3280

■ 28.0906, 0.3369,
0.3267

■ 29.6594, 0.3515,
0.3255

■ 31.3944, 0.3659,
0.3244

Harmonies

Analogous

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



21.3103, 0.2845, 0.3813



21.3103, 0.2500, 0.3390



21.3103, 0.2324, 0.2971

Triad

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



21.3103, 0.2500, 0.3390



21.3103, 0.2923, 0.2633



21.3103, 0.3966, 0.3842

Complementary

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



21.3103, 0.2500, 0.3390



9.7133, 0.4502, 0.3205

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.



21.3103, 0.4004, 0.3507



21.3103, 0.2500, 0.3390



21.3103, 0.3376, 0.2839

Square

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



21.3103, 0.2500, 0.3390



21.3103, 0.2554, 0.2573



21.3103, 0.3783, 0.3150



21.3103, 0.3695, 0.4063

Rectangle

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



21.3103, 0.2500, 0.3390



21.3103, 0.2315, 0.2761



21.3103, 0.3783, 0.3150



21.3103, 0.4008, 0.3738

Sweetspot

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



21.3111, 0.2500, 0.3390



43.0097, 0.2903, 0.3317



20.1940, 0.3105, 0.4899



9.8386, 0.2880, 0.3320



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3111, 0.2500, 0.3390



37.2231, 0.2413, 0.3417



13.7498, 0.2332, 0.2624



5.6829, 0.3000, 0.3305



18.1114, 0.2303, 0.3492



0.1211, 0.2273, 0.3382

Inverse Universe

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



9.7133, 0.4502, 0.3205



14.1122, 0.5022, 0.3197



14.2075, 0.4275, 0.3851



5.0537, 0.3270, 0.3276



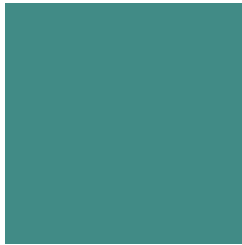
4.9737, 0.6296, 0.3242



0.0337, 0.5851, 0.2997

Previews

White Background



This preview shows how the Yxy color 21.3103, 0.2500, 0.3390 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 21.3103, 0.2500, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

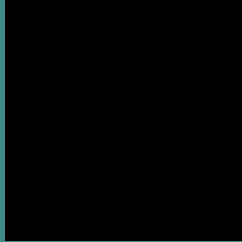
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3103, 0.2500, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 21.3103, 0.2500, 0.3390.



This preview shows how white text looks on a background with the Yxy color 21.3103, 0.2500, 0.3390.

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

21.3103, 0.2500, 0.3390

Protanopia

21.0952, 0.3163, 0.3290

Deuteranopia

21.0404, 0.3103, 0.3046



Tritanopia

21.3315, 0.2423, 0.3074

Trichromacy



Original Color

21.3103, 0.2500, 0.3390

Protanomaly

20.8817, 0.2872, 0.3328

Deuteranomaly

20.7293, 0.2834, 0.3158

Tritanomaly

21.3891, 0.2450, 0.3189

Monochromacy



Original Color

21.3103, 0.2500, 0.3390

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 21.3103, 0.2500, 0.3390 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, 139, 134)` looks like.

```
.text, #text, p{  
    color:rgb(65, 139, 134)  
}
```

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, 139, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 139, 134) }
```

Border

The CSS property to change the border of an element to Yxy 21.3103, 0.2500, 0.3390 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, 139, 134) }
```

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

```
.border{ border-color:rgb(65, 139, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 139, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 139, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 139, 134); box-shadow:4px 4px 4px 4px rgb(65, 139, 134) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3103, 0.2500, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 139, 134) }
```

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

```
.background{ background-color: rgb(65, 139,  
134) }
```

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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