

Converting Colors

$Y_{xy}(20.3423, 0.2596, 0.3432)$

Have a look what the booklet for
Yxy(20.3423, 0.2596, 0.3432)
contains.

Yxy(20.3423, 0.2596, 0.3432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.3423, 0.2596, 0.3432)$

Conversions

Conversions Part 1

Format	Color
Hex	4A8780
RGB	74, 135, 128
RGB Percent	29%, 53%, 50%
CMY	0.7097, 0.4706, 0.4980
CMYK	0.45, 0.00, 0.05, 0.47
HSL	173°, 29%, 41%
HSV	173°, 45%, 53%
XYZ	15.3871, 20.3423, 23.5430
YIQ	115.9630, -34.1090, -15.1090

Conversions

Conversions Part 2

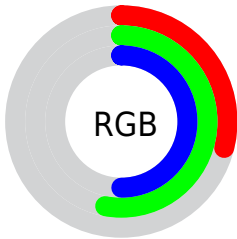
Format	Color
R_{YB}	74, 106, 135
Decimal	4884352
CIE _{Lab}	52.22, -21.55, -2.42
CIE _{LCh}	52, 21.689, 186.398
Yxy	20.3423, 0.2596, 0.3432
Android (android.graphics.Color)	4283074432 (0xFF4A8780)
YUV	115.9630, 5.9342, -36.8016
Hunter-Lab	45.1024, -18.0323, 0.6229

Details

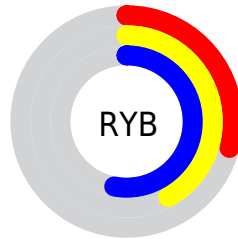
The Yxy color **20.3423, 0.2596, 0.3432** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.6474, 0.4135, 0.3161**, and the grayscale version is **17.4456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2434, 0.2716, 0.3405**, and **7.2000, 0.2386, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **19.8229, 0.2512, 0.3469**, and if you desaturate by 10%, it is **20.9790, 0.2695, 0.3397**.

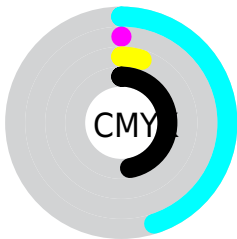
Distribution



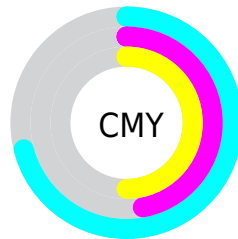
- Red (29%)
- Green (53%)
- Blue (50%)



- Red (29%)
- Yellow (42%)
- Blue (53%)



- Cyan (45%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)




- Cyan (71%)
- Magenta (47%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3423, 0.2596, 0.3432 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 20.3423, 0.2596, 0.3432 by changing the saturation by 10% instead.


 20.3423, 0.2596,
0.3432


 20.3423, 0.2596,
0.3432


253.7622, 0.2895,
0.3354


 12.6441, 0.2507,
0.3454


 43.9903, 0.2714,
0.3402

 7.1839, 0.2384,
0.3483


 60.7090, 0.2756,
0.3391


 3.5774, 0.2200,
0.3525

 81.2032, 0.2790,
0.3382

 1.4401, 0.1893,
0.3588

 105.8574, 0.2818,
0.3375

 0.2460, 0.0000,
0.3603

 135.0560, 0.2842,
0.3369

 0.0000, 0.0000,
0.0000

169.1835, 0.2862,

0.3363

208.6240, 0.2880,
0.3359

■ 20.3423, 0.2596,
0.3432

■ 20.3423, 0.2596,
0.3432

■ 19.8229, 0.2512,
0.3469

■ 20.9790, 0.2695,
0.3397

■ 19.4108, 0.2445,
0.3507

■ 21.7373, 0.2807,
0.3364

■ 19.0987, 0.2396,
0.3545


■ 22.6242, 0.2929,
0.3332


■ 18.8770, 0.2364,
0.3583

■ 23.6456, 0.3058,
0.3304


■ 18.7321, 0.2350,
0.3622


■ 24.8069, 0.3193,
0.3278

 18.6718, 0.2345,
0.3640

 26.1133, 0.3330,
0.3254

 27.5697, 0.3468,
0.3233

 29.1808, 0.3605,
0.3215

 30.9509, 0.3739,
0.3199

Harmonies

Analogous

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



20.3423, 0.2923, 0.3794



20.3423, 0.2596, 0.3432



20.3423, 0.2413, 0.3051

Triad

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



20.3423, 0.2596, 0.3432



20.3423, 0.2898, 0.2681



20.3423, 0.3896, 0.3756

Complementary

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



20.3423, 0.2596, 0.3432



10.6474, 0.4135, 0.3161

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.



20.3423, 0.3898, 0.3449



20.3423, 0.2596, 0.3432



20.3423, 0.3300, 0.2853

Square

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



20.3423, 0.2596, 0.3432



20.3423, 0.2578, 0.2647



20.3423, 0.3674, 0.3127



20.3423, 0.3679, 0.3968

Rectangle

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



20.3423, 0.2596, 0.3432



20.3423, 0.2389, 0.2849



20.3423, 0.3674, 0.3127



20.3423, 0.3923, 0.3660

Sweetspot

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



20.3431, 0.2596, 0.3432



40.6629, 0.2939, 0.3330



19.5777, 0.3135, 0.4612



9.3419, 0.2915, 0.3336



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.



20.3431, 0.2596, 0.3432



35.4968, 0.2512, 0.3469



14.7130, 0.2456, 0.2790



5.2699, 0.3006, 0.3315



17.2201, 0.2344, 0.3639



0.0603, 0.2292, 0.3451

Inverse Universe

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



10.6474, 0.4135, 0.3161



15.8693, 0.4500, 0.3138



14.2699, 0.4065, 0.3733



4.6967, 0.3263, 0.3265



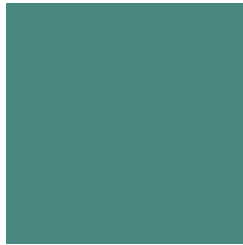
4.7840, 0.6214, 0.3197



0.0171, 0.5538, 0.2824

Previews

White Background



This preview shows how the Yxy color 20.3423, 0.2596, 0.3432 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 20.3423, 0.2596, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

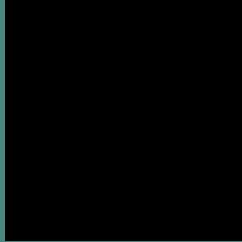
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3423, 0.2596, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 20.3423, 0.2596, 0.3432.



This preview shows how white text looks on a background with the Yxy color 20.3423, 0.2596, 0.3432.

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

20.3423, 0.2596, 0.3432

Protanopia

20.0584, 0.3199, 0.3327

Deuteranopia

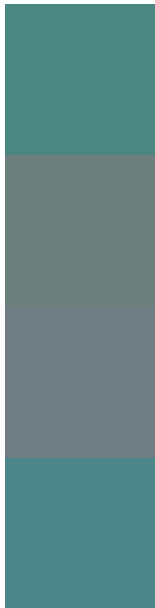
20.0582, 0.3161, 0.3095



Tritanopia

20.4205, 0.2509, 0.3092

Trichromacy



Original Color

20.3423, 0.2596, 0.3432

Protanomaly

19.8221, 0.2941, 0.3348

Deuteranomaly

19.7237, 0.2923, 0.3194

Tritanomaly

20.4630, 0.2536, 0.3208

Monochromacy



Original Color

20.3423, 0.2596, 0.3432

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.2887, 0.2901, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3423, 0.2596, 0.3432 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(74, 135, 128)` looks like.

```
.text, #text, p{  
    color:rgb(74, 135, 128)  
}
```

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(74, 135, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 135, 128) }
```

Border

The CSS property to change the border of an element to Yxy 20.3423, 0.2596, 0.3432 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(74, 135, 128) }
```

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

```
.border{ border-color:rgb(74, 135, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 135, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 135, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 135, 128);  
box-shadow:4px 4px 4px 4px rgb(74, 135,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3423, 0.2596, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 135, 128) }
```

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

```
.background{ background-color: rgb(74, 135,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor