

Converting Colors

$Y_{xy}(23.2419, 0.2755, 0.3841)$

Have a look what the booklet for
Yxy(23.2419, 0.2755, 0.3841)
contains.

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Color

$Y_{xy}(23.2643, 0.2751, 0.3832)$

Conversions

Conversions Part 1

Format	Color
Hex	509176
RGB	80, 145, 118
RGB Percent	31%, 57%, 46%
CMY	0.6864, 0.4313, 0.5373
CMYK	0.45, 0.00, 0.19, 0.43
HSL	155°, 29%, 44%
HSV	155°, 45%, 57%
XYZ	16.7015, 23.2643, 20.7448
YIQ	122.4870, -30.0730, -22.1770

Conversions

Conversions Part 2

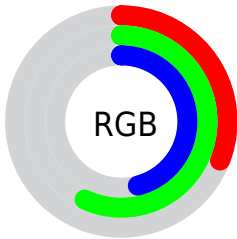
Format	Color
R _{YB}	80, 121, 145
Decimal	5280118
CIE Lab	55.34, -27.46, 7.92
CIE LCh	55, 28.581, 163.907
Yxy	23.2643, 0.2751, 0.3832
Android (android.graphics.Color)	4283470198 (0xFF509176)
YUV	122.4870, -2.2121, -37.2611
Hunter-Lab	48.2331, -22.5994, 8.2628

Details

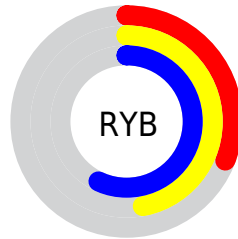
The Yxy color **23.2643, 0.2751, 0.3832** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.8161, 0.3781, 0.2817**, and the grayscale version is **19.6430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7357, 0.2839, 0.3705**, and **8.6806, 0.2596, 0.4053** is the 20% darker color. If you saturate the color by 10%, you get **22.5622, 0.2692, 0.3980**, and if you desaturate by 10%, it is **24.1137, 0.2822, 0.3693**.

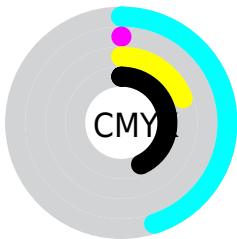
Distribution



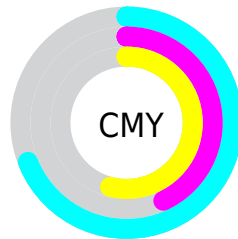
- Red (31%)
- Green (57%)
- Blue (46%)



- Red (31%)
- Yellow (47%)
- Blue (57%)



- Cyan (45%)
- Magenta (0%)
- Yellow (19%)
- Black (43%)





- Cyan (69%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2643, 0.2751, 0.3832 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 23.2643, 0.2751, 0.3832 by changing the saturation by 10% instead.


 23.2643, 0.2751,
0.3832


 23.2643, 0.2751,
0.3832


269.0796, 0.2965,
0.3520


 14.7888, 0.2687,
0.3928


 48.8269, 0.2836,
0.3707


 8.6713, 0.2596,
0.4064


 66.6829, 0.2866,
0.3664


 4.5274, 0.2459,
0.4274

 88.4344, 0.2890,
0.3628

 1.9727, 0.2228,
0.4635

 114.4659, 0.2910,
0.3599

 0.5916, 0.0000,
0.8677

 145.1617, 0.2927,
0.3575

 0.0000, 0.0000,
0.0000

180.9064, 0.2942,

0.3554

222.0842, 0.2954,
0.3536

■ 23.2643, 0.2751,
0.3832

■ 23.2643, 0.2751,
0.3832

■ 22.5622, 0.2692,
0.3980

■ 24.1137, 0.2822,
0.3693

■ 21.9955, 0.2648,
0.4134

■ 25.1157, 0.2903,
0.3564

■ 21.5551, 0.2622,
0.4292


■ 26.2789, 0.2991,
0.3445

■ 21.2294, 0.2614,
0.4450

■ 27.6104, 0.3082,
0.3338


■ 21.0035, 0.2626,
0.4606


■ 29.1168, 0.3175,
0.3242

 20.9050, 0.2635,
0.4685

 30.8044, 0.3269,
0.3156

 32.6792, 0.3361,
0.3080

 34.7469, 0.3450,
0.3013

 37.0129, 0.3537,
0.2955

Harmonies

Analogous

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



23.2643, 0.3234, 0.4155



23.2643, 0.2751, 0.3832



23.2643, 0.2388, 0.3336

Triad

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



23.2643, 0.2751, 0.3832



23.2643, 0.2526, 0.2488



23.2643, 0.4127, 0.3575

Complementary

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



23.2643, 0.2751, 0.3832



12.8161, 0.3781, 0.2817

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.



23.2643, 0.3912, 0.3177



23.2643, 0.2751, 0.3832



23.2643, 0.2956, 0.2578

Square

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



23.2643, 0.2751, 0.3832



23.2643, 0.2270, 0.2583



23.2643, 0.3469, 0.2824



23.2643, 0.4045, 0.3943

Rectangle

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



23.2643, 0.2751, 0.3832



23.2643, 0.2253, 0.3015



23.2643, 0.3469, 0.2824



23.2643, 0.4088, 0.3441

Sweetspot

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



23.2652, 0.2751, 0.3832



47.4115, 0.3005, 0.3428



23.9623, 0.3336, 0.4531



10.4468, 0.2987, 0.3450



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.2652, 0.2751, 0.3832



40.3694, 0.2690, 0.3984



22.3852, 0.2523, 0.3184



6.0789, 0.3042, 0.3383



17.9342, 0.2632, 0.4676



0.1759, 0.2443, 0.3996

Inverse Universe

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



12.8161, 0.3781, 0.2817



19.1537, 0.4013, 0.2719



13.1591, 0.4225, 0.3389



5.4589, 0.3221, 0.3199



5.4504, 0.5253, 0.2668



0.0563, 0.4260, 0.2120

Previews

White Background



This preview shows how the Yxy color 23.2643, 0.2751, 0.3832 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 23.2643, 0.2751, 0.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

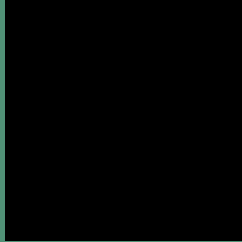
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2643, 0.2751, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 23.2643, 0.2751, 0.3832.



This preview shows how white text looks on a background with the Yxy color 23.2643, 0.2751, 0.3832.

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

23.2643, 0.2751, 0.3832

Protanopia

23.1392, 0.3441, 0.3657

Deuteranopia

22.8798, 0.3439, 0.3375



Tritanopia

23.1470, 0.2539, 0.3067

Trichromacy



Original Color

23.2643, 0.2751, 0.3832

Protanomaly

22.9578, 0.3151, 0.3719

Deuteranomaly

22.6416, 0.3139, 0.3528

Tritanomaly

23.2179, 0.2614, 0.3327

Monochromacy



Original Color

23.2643, 0.2751, 0.3832

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4715, 0.2961, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2643, 0.2751, 0.3832 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(80, 145, 118)` looks like.

```
.text, #text, p{  
    color:rgb(80, 145, 118)  
}
```

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(80, 145, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 145, 118) }
```

Border

The CSS property to change the border of an element to Yxy 23.2643, 0.2751, 0.3832 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(80, 145, 118) }
```

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

```
.border{ border-color:rgb(80, 145, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 145, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 145, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 145, 118);  
box-shadow:4px 4px 4px 4px rgb(80, 145,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2643, 0.2751, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 145, 118) }
```

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

```
.background{ background-color: rgb(80, 145,  
118) }
```

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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