

Converting Colors

$Yxy(23.6205, 0.2731, 0.4838)$

Have a look what the booklet for
Yxy(23.6205, 0.2731, 0.4838)
contains.

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Color

$\text{Yxy}(23.5983, 0.2731, 0.4841)$

Conversions

Conversions Part 1

Format	Color
Hex	199952
RGB	25, 153, 82
RGB Percent	10%, 60%, 32%
CMY	0.9025, 0.4000, 0.6784
CMYK	0.84, 0.00, 0.46, 0.40
HSL	147°, 72%, 35%
HSV	147°, 84%, 60%
XYZ	13.3127, 23.5983, 11.8357
YIQ	106.6340, -53.4970, -49.2170

Conversions

Conversions Part 2

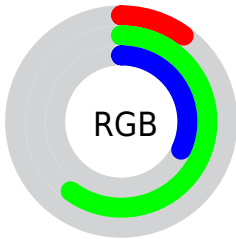
Format	Color
R_{YB}	25, 114, 153
Decimal	1677650
CIE _{Lab}	55.68, -49.32, 28.14
CIE _{LCh}	56, 56.780, 150.288
Yxy	23.5983, 0.2731, 0.4841
Android (android.graphics.Color)	4279867730 (0xFF199952)
YUV	106.6340, -12.1446, -71.5930
Hunter-Lab	48.5781, -36.0940, 19.5591

Details

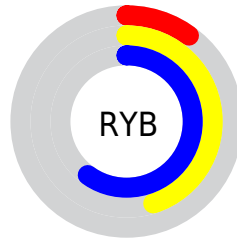
The Yxy color **23.5983, 0.2731, 0.4841** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.3053, 0.4365, 0.2326**, and the grayscale version is **14.6320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1574, 0.2845, 0.4462**, and **9.2357, 0.2824, 0.5366** is the 20% darker color. If you saturate the color by 10%, you get **23.3347, 0.2750, 0.5041**, and if you desaturate by 10%, it is **23.9860, 0.2730, 0.4631**.

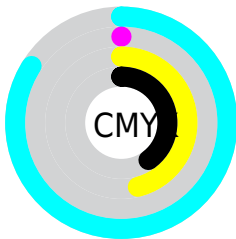
Distribution



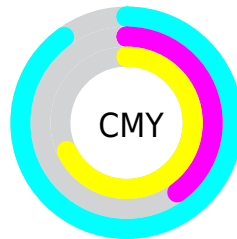
- Red (10%)
- Green (60%)
- Blue (32%)



- Red (10%)
- Yellow (45%)
- Blue (60%)



- Cyan (84%)
- Magenta (0%)
- Yellow (46%)
- Black (40%)




- Cyan (90%)
- Magenta (40%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5983, 0.2731, 0.4841 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 23.5983, 0.2731, 0.4841 by changing the saturation by 10% instead.


 23.5983, 0.2731,
0.4841


 23.5983, 0.2731,
0.4841


270.7833, 0.2986,
0.3916


 15.0359, 0.2639,
0.5137


 49.3739, 0.2842,
0.4461


 8.8446, 0.2496,
0.5564


 67.3559, 0.2878,
0.4332


 4.6400, 0.2257,
0.6218

 89.2465, 0.2906,
0.4228

 2.0376, 0.1797,
0.8203

 115.4302, 0.2928,
0.4143

 0.6292, 0.0000,
1.0000

 146.2913, 0.2947,
0.4072

 0.0000, 0.0000,
0.0000

 182.2143, 0.2962,

0.4012

223.5835, 0.2975,
0.3960

■ 23.5983, 0.2731,
0.4841

■ 23.5983, 0.2731,
0.4841

■ 23.3347, 0.2750,
0.5041

■ 23.9860, 0.2730,
0.4631

■ 23.2050, 0.2767,
0.5160

■ 24.5108, 0.2748,
0.4418

■ 25.1869, 0.2782,
0.4208

■ 26.0261, 0.2830,
0.4006

■ 27.0389, 0.2889,
0.3817

■ 28.2347, 0.2955,
0.3642

■ 29.6226, 0.3026,
0.3483

■ 31.2107, 0.3099,
0.3339

■ 33.0068, 0.3173,
0.3212

Harmonies

Analogous

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



23.5983, 0.3643, 0.5131



23.5983, 0.2731, 0.4841



23.5983, 0.1978, 0.3827

Triad

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



23.5983, 0.2731, 0.4841



23.5983, 0.1786, 0.1874



23.5983, 0.4974, 0.3364

Complementary

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



23.5983, 0.2731, 0.4841



8.3053, 0.4365, 0.2326

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.



23.5983, 0.4310, 0.2734



23.5983, 0.2731, 0.4841



23.5983, 0.2382, 0.1921

Square

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



23.5983, 0.2731, 0.4841



23.5983, 0.1520, 0.2130



23.5983, 0.3296, 0.2224



23.5983, 0.4996, 0.4047

Rectangle

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



23.5983, 0.2731, 0.4841



23.5983, 0.1665, 0.3091



23.5983, 0.3296, 0.2224



23.5983, 0.4818, 0.3146

Sweetspot

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



23.5993, 0.2731, 0.4841



50.1603, 0.2943, 0.3671



25.4226, 0.3527, 0.5419



10.9202, 0.2921, 0.3726



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.5993, 0.2731, 0.4841



41.5167, 0.2776, 0.5194



25.0179, 0.2329, 0.3456



6.9691, 0.3059, 0.3416



19.1829, 0.2763, 0.5146



0.2940, 0.2540, 0.4344

Inverse Universe

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



8.3053, 0.4365, 0.2326



13.2591, 0.4740, 0.2385



7.5751, 0.5846, 0.3217



6.2771, 0.3202, 0.3167



6.1433, 0.4690, 0.2357



0.0992, 0.3929, 0.1938

Previews

White Background



This preview shows how the Yxy color 23.5983, 0.2731, 0.4841 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 23.5983, 0.2731, 0.4841 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 23.5983, 0.2731, 0.4841

Background



This preview shows how black text looks on a background with the Yxy color 23.5983, 0.2731, 0.4841.



This preview shows how white text looks on a background with the Yxy color 23.5983, 0.2731, 0.4841.

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

23.5983, 0.2731, 0.4841

Protanopia

23.3940, 0.3915, 0.4258

Deuteranopia

23.2543, 0.3983, 0.3916



Tritanopia

23.6752, 0.2357, 0.3080

Trichromacy



Original Color

23.5983, 0.2731, 0.4841



Protanomaly

22.1310, 0.3314, 0.4518



Deuteranomaly

21.5952, 0.3343, 0.4269



Tritanomaly

23.3932, 0.2479, 0.3677

Monochromacy



Original Color

23.5983, 0.2731, 0.4841



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.8749, 0.2867, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5983, 0.2731, 0.4841 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(25, 153, 82)` looks like.

```
.text, #text, p{  
    color:rgb(25, 153, 82)  
}
```

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(25, 153, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 153, 82) }
```

Border

The CSS property to change the border of an element to Yxy 23.5983, 0.2731, 0.4841 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(25, 153, 82) }
```

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

```
.border{ border-color:rgb(25, 153, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 153, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 153, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 153, 82);  
box-shadow:4px 4px 4px 4px rgb(25, 153,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5983, 0.2731, 0.4841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 153, 82) }
```

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

```
.background{ background-color: rgb(25, 153,  
82) }
```

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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