

Converting Colors

$Y_{xy}(23.5531, 0.2676, 0.4399)$

Have a look what the booklet for
Yxy(23.5531, 0.2676, 0.4399)
contains.

Yxy(23.5477, 0.2678, 0.4405)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5477, 0.2678, 0.4405)

Conversions

Conversions Part 1

Format	Color
Hex	2B9763
RGB	43, 151, 99
RGB Percent	17%, 59%, 39%
CMY	0.8312, 0.4078, 0.6118
CMYK	0.72, 0.00, 0.34, 0.41
HSL	151°, 56%, 38%
HSV	151°, 72%, 59%
XYZ	14.3157, 23.5477, 15.5933
YIQ	112.7800, -47.6760, -39.0680

Conversions

Conversions Part 2

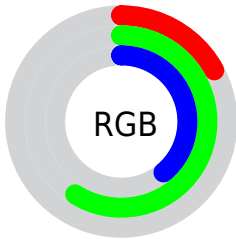
Format	Color
R_{YB}	43, 114, 151
Decimal	2856803
CIE _{Lab}	55.63, -42.73, 18.87
CIE _{LCh}	56, 46.710, 156.178
Y _{xy}	23.5477, 0.2678, 0.4405
Android (android.graphics.Color)	4281046883 (0xFF2B9763)
YUV	112.7800, -6.7935, -61.1971
Hunter-Lab	48.5260, -32.2609, 14.9159

Details

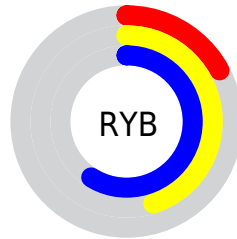
The Yxy color **23.5477, 0.2678, 0.4405** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.1365, 0.4288, 0.2496**, and the grayscale version is **16.4790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2282, 0.2787, 0.4137**, and **9.1716, 0.2674, 0.4826** is the 20% darker color. If you saturate the color by 10%, you get **23.1474, 0.2670, 0.4590**, and if you desaturate by 10%, it is **24.0833, 0.2705, 0.4221**.

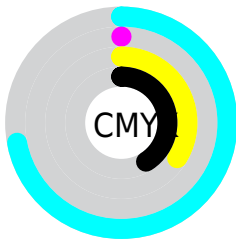
Distribution



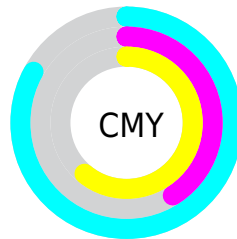
- Red (17%)
- Green (59%)
- Blue (39%)



- Red (17%)
- Yellow (45%)
- Blue (59%)



- Cyan (72%)
- Magenta (0%)
- Yellow (34%)
- Black (41%)




- Cyan (83%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5477, 0.2678, 0.4405 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 23.5477, 0.2678, 0.4405 by changing the saturation by 10% instead.


 23.5477, 0.2678,
0.4405


 23.5477, 0.2678,
0.4405


270.5258, 0.2946,
0.3748


 14.9984, 0.2591,
0.4614


 49.2911, 0.2788,
0.4136

 8.8183, 0.2465,
0.4916


 67.2540, 0.2826,
0.4045


 4.6229, 0.2264,
0.5386

 89.1236, 0.2856,
0.3971


 2.0277, 0.1883,
0.6347

 115.2843, 0.2880,
0.3911

 0.6235, 0.0000,
1.0000

 146.1205, 0.2901,
0.3860

 0.0000, 0.0000,
0.0000

 182.0165, 0.2918,

0.3817

223.3568, 0.2933,
0.3780

■ 23.5477, 0.2678,
0.4405

■ 23.5477, 0.2678,
0.4405

■ 23.1474, 0.2670,
0.4590

■ 24.0833, 0.2705,
0.4221

■ 22.8650, 0.2681,
0.4771

■ 24.7637, 0.2748,
0.4041

■ 22.6875, 0.2700,
0.4919

■ 25.6006, 0.2806,
0.3870

■ 26.6037, 0.2874,
0.3710

■ 27.7821, 0.2950,
0.3562

■ 29.1440, 0.3031,
0.3428

■ 30.6972, 0.3115,
0.3307

■ 32.4490, 0.3199,
0.3199

■ 34.4063, 0.3282,
0.3104

Harmonies

Analogous

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



23.5477, 0.3446, 0.4801



23.5477, 0.2678, 0.4405



23.5477, 0.2074, 0.3559

Triad

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



23.5477, 0.2678, 0.4405



23.5477, 0.2064, 0.2069



23.5477, 0.4707, 0.3505

Complementary

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



23.5477, 0.2678, 0.4405



9.1365, 0.4288, 0.2496

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.



23.5477, 0.4246, 0.2934



23.5477, 0.2678, 0.4405



23.5477, 0.2642, 0.2151

Square

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



23.5477, 0.2678, 0.4405



23.5477, 0.1771, 0.2251



23.5477, 0.3445, 0.2457



23.5477, 0.4654, 0.4098

Rectangle

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



23.5477, 0.2678, 0.4405



23.5477, 0.1835, 0.2991



23.5477, 0.3445, 0.2457



23.5477, 0.4608, 0.3309

Sweetspot

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



23.5486, 0.2678, 0.4405



49.7720, 0.2951, 0.3561



24.7528, 0.3441, 0.5243



11.1844, 0.2931, 0.3597



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.



23.5486, 0.2678, 0.4405



41.1158, 0.2674, 0.4703



24.3075, 0.2324, 0.3253



6.9764, 0.3050, 0.3399



19.3063, 0.2697, 0.4909



0.2960, 0.2491, 0.4166

Inverse Universe

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



9.1365, 0.4288, 0.2496



13.6896, 0.4696, 0.2471



8.6181, 0.5444, 0.3320



6.2698, 0.3212, 0.3183



6.0091, 0.4989, 0.2522



0.0971, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 23.5477, 0.2678, 0.4405 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 23.5477, 0.2678, 0.4405 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 23.5477, 0.2678, 0.4405

Background



This preview shows how black text looks on a background with the Yxy color 23.5477, 0.2678, 0.4405.



This preview shows how white text looks on a background with the Yxy color 23.5477, 0.2678, 0.4405.

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

23.5477, 0.2678, 0.4405

Protanopia

23.0975, 0.3715, 0.3997

Deuteranopia

23.1468, 0.3743, 0.3670



Tritanopia

23.5051, 0.2374, 0.3062

Trichromacy



Original Color

23.5477, 0.2678, 0.4405



Protanomaly

22.3992, 0.3224, 0.4170



Deuteranomaly

22.1450, 0.3229, 0.3942



Tritanomaly

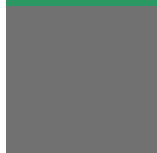
23.5162, 0.2483, 0.3528

Monochromacy



Original Color

23.5477, 0.2678, 0.4405



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.3362, 0.2886, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5477, 0.2678, 0.4405 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(43, 151, 99)` looks like.

```
.text, #text, p{  
    color:rgb(43, 151, 99)  
}
```

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(43, 151, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 151, 99) }
```

Border

The CSS property to change the border of an element to Yxy 23.5477, 0.2678, 0.4405 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(43, 151, 99) }
```

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

```
.border{ border-color:rgb(43, 151, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 151, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 151, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 151, 99);  
box-shadow:4px 4px 4px 4px rgb(43, 151,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5477, 0.2678, 0.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 151, 99) }
```

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

```
.background{ background-color: rgb(43, 151,  
99) }
```

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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