

Converting Colors

$Y_{xy}(22.9639, 0.2841, 0.5236)$

Have a look what the booklet for
Yxy(22.9639, 0.2841, 0.5236)
contains.

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Color

$\text{Yxy}(22.9975, 0.2839, 0.5231)$

Conversions

Conversions Part 1

Format	Color
Hex	17983F
RGB	23, 152, 63
RGB Percent	9%, 60%, 25%
CMY	0.9093, 0.4039, 0.7529
CMYK	0.85, 0.00, 0.59, 0.40
HSL	139°, 74%, 34%
HSV	139°, 85%, 60%
XYZ	12.4813, 22.9975, 8.4850
YIQ	103.2830, -48.3150, -55.0270

Conversions

Conversions Part 2

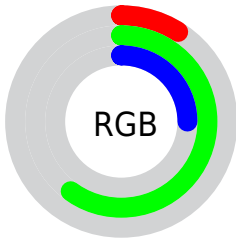
Format	Color
R_{YB}	23, 121, 152
Decimal	1546303
CIE _{Lab}	55.07, -52.19, 37.11
CIE _{LCh}	55, 64.039, 144.588
Yxy	22.9975, 0.2839, 0.5231
Android (android.graphics.Color)	4279736383 (0xFF17983F)
YUV	103.2830, -19.8595, -70.4082
Hunter-Lab	47.9557, -37.4646, 23.0785

Details

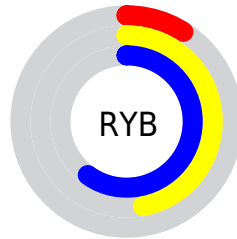
The Yxy color **22.9975, 0.2839, 0.5231** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.4662, 0.3968, 0.2075**, and the grayscale version is **13.7174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1451, 0.2943, 0.4753**, and **8.9502, 0.2957, 0.5844** is the 20% darker color. If you saturate the color by 10%, you get **22.7594, 0.2862, 0.5446**, and if you desaturate by 10%, it is **23.3620, 0.2832, 0.4989**.

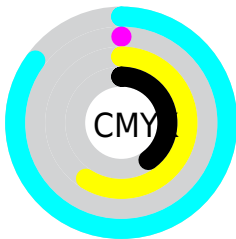
Distribution



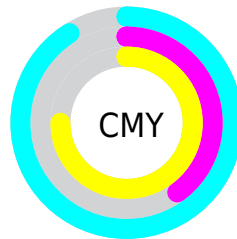
- Red (9%)
- Green (60%)
- Blue (25%)



- Red (9%)
- Yellow (47%)
- Blue (60%)



- Cyan (85%)
- Magenta (0%)
- Yellow (59%)
- Black (40%)




- Cyan (91%)
- Magenta (40%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9975, 0.2839, 0.5231 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 22.9975, 0.2839, 0.5231 by changing the saturation by 10% instead.


 22.9975, 0.2839,
0.5231


 22.9975, 0.2839,
0.5231


267.7122, 0.3056,
0.4065


 14.5917, 0.2743,
0.5601


 48.3892, 0.2944,
0.4752


 8.5333, 0.2585,
0.6124


 66.1439, 0.2975,
0.4589


 4.4381, 0.2331,
0.6995

 87.7836, 0.2997,
0.4459

 1.9215, 0.1395,
0.8605

 113.6928, 0.3015,
0.4351

 0.5613, 0.0000,
1.0000

 144.2559, 0.3029,
0.4262

 0.0000, 0.0000,
0.0000

 179.8572, 0.3040,

0.4186

220.8812, 0.3049,
0.4121

■ 22.9975, 0.2839,
0.5231

■ 22.9975, 0.2839,
0.5231

■ 22.7594, 0.2862,
0.5446

■ 23.3620, 0.2832,
0.4989

■ 22.6611, 0.2874,
0.5547

■ 23.8674, 0.2840,
0.4733

■ 24.5285, 0.2864,
0.4472

■ 25.3575, 0.2899,
0.4217

■ 26.3653, 0.2943,
0.3976

■ 27.5619, 0.2993,
0.3753

■ 28.9565, 0.3046,
0.3551

■ 30.5577, 0.3101,
0.3369

■ 32.3736, 0.3156,
0.3209

Harmonies

Analogous

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



22.9975, 0.3846, 0.5317



22.9975, 0.2839, 0.5231



22.9975, 0.1960, 0.4153

Triad

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



22.9975, 0.2839, 0.5231



22.9975, 0.1565, 0.1748



22.9975, 0.5129, 0.3201

Complementary

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



22.9975, 0.2839, 0.5231



8.4662, 0.3968, 0.2075

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.



22.9975, 0.4260, 0.2542



22.9975, 0.2839, 0.5231



22.9975, 0.2135, 0.1749

Square

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



22.9975, 0.2839, 0.5231



22.9975, 0.1344, 0.2082



22.9975, 0.3090, 0.2028



22.9975, 0.5262, 0.3929

Rectangle

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



22.9975, 0.2839, 0.5231



22.9975, 0.1576, 0.3268



22.9975, 0.3090, 0.2028



22.9975, 0.4909, 0.2972

Sweetspot

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



22.9984, 0.2839, 0.5231



48.4900, 0.2989, 0.3768



26.0514, 0.3709, 0.5298



10.8593, 0.2972, 0.3839



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.



22.9984, 0.2839, 0.5231



39.9722, 0.2883, 0.5580



24.1516, 0.2432, 0.3822



6.9555, 0.3076, 0.3447



19.0067, 0.2871, 0.5535



0.2901, 0.2648, 0.4731

Inverse Universe

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



8.4662, 0.3968, 0.2075



13.5489, 0.4187, 0.2080



7.5145, 0.5537, 0.3013



6.2911, 0.3182, 0.3138



6.4575, 0.4156, 0.2063



0.1030, 0.3661, 0.1790

Previews

White Background



This preview shows how the Yxy color 22.9975, 0.2839, 0.5231 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 22.9975, 0.2839, 0.5231 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 22.9975, 0.2839, 0.5231

Background



This preview shows how black text looks on a background with the Yxy color 22.9975, 0.2839, 0.5231.



This preview shows how white text looks on a background with the Yxy color 22.9975, 0.2839, 0.5231.

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

22.9975, 0.2839, 0.5231

Protanopia

22.6390, 0.4101, 0.4483

Deuteranopia

22.5957, 0.4201, 0.4133



Tritanopia

23.0348, 0.2366, 0.3078

Trichromacy



Original Color

22.9975, 0.2839, 0.5231



Protanomaly

21.5477, 0.3464, 0.4851



Deuteranomaly

21.0603, 0.3517, 0.4590



Tritanomaly

22.5912, 0.2531, 0.3813

Monochromacy



Original Color

22.9975, 0.2839, 0.5231



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.8352, 0.2933, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9975, 0.2839, 0.5231 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(23, 152, 63)` looks like.

```
.text, #text, p{  
    color:rgb(23, 152, 63)  
}
```

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(23, 152, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 152, 63) }
```

Border

The CSS property to change the border of an element to Yxy 22.9975, 0.2839, 0.5231 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(23, 152, 63) }
```

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

```
.border{ border-color:rgb(23, 152, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 152, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 152, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 152, 63);  
box-shadow:4px 4px 4px 4px rgb(23, 152,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9975, 0.2839, 0.5231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 152, 63) }
```

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

```
.background{ background-color: rgb(23, 152,  
63) }
```

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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