

Converting Colors

$Y_{xy}(15.5651, 0.2937, 0.5171)$

Have a look what the booklet for
Yxy(15.5651, 0.2937, 0.5171)
contains.

Yxy(15.5540, 0.2936, 0.5177)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(15.5540, 0.2936, 0.5177)$

Conversions

Conversions Part 1

Format	Color
Hex	257E33
RGB	37, 126, 51
RGB Percent	15%, 49%, 20%
CMY	0.8549, 0.5059, 0.8000
CMYK	0.71, 0.00, 0.60, 0.51
HSL	129°, 55%, 32%
HSV	129°, 71%, 49%
XYZ	8.8210, 15.5540, 5.6694
YIQ	90.8390, -28.9690, -42.1930

Conversions

Conversions Part 2

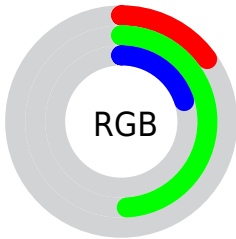
Format	Color
R_{YB}	37, 114, 126
Decimal	2457139
CIE _{Lab}	46.38, -42.52, 32.88
CIE _{LCh}	46, 53.747, 142.290
Yxy	15.5540, 0.2936, 0.5177
Android (android.graphics.Color)	4280647219 (0xFF257E33)
YUV	90.8390, -19.6406, -47.2168
Hunter-Lab	39.4386, -29.0932, 19.0839




Details

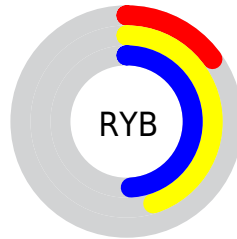
The Yxy color **15.5540, 0.2936, 0.5177** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.9280, 0.3469, 0.1972**, and the grayscale version is **10.4734, 0.3127, 0.3290**.




A 20% lighter version of the original color is **35.9955, 0.3027, 0.4668**, and **5.1733, 0.2987, 0.5955** is the 20% darker color. If you saturate the color by 10%, you get **15.2773, 0.2934, 0.5442**, and if you desaturate by 10%, it is **15.9338, 0.2948, 0.4885**.

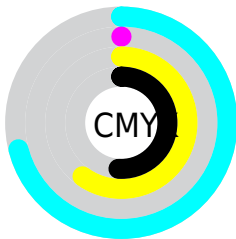
Distribution







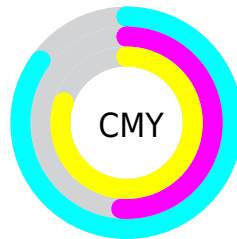
-  Red (15%)
-  Green (49%)
-  Blue (20%)






-  Red (15%)
-  Yellow (45%)
-  Blue (49%)



-  Cyan (71%)
-  Magenta (0%)
-  Yellow (60%)
-  Black (51%)




-  Cyan (85%)
-  Magenta (51%)
-  Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5540, 0.2936, 0.5177 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 15.5540, 0.2936, 0.5177 by changing the saturation by 10% instead.


 15.5540, 0.2936,
0.5177


 15.5540, 0.2936,
0.5177

226.6954, 0.3102,
0.3989


 9.2091, 0.2842,
0.5592


 35.8222, 0.3026,
0.4667


 4.8778, 0.2666,
0.6211

 50.5142, 0.3049,
0.4501

 2.1758, 0.2397,
0.7603

 68.7575, 0.3065,
0.4370

 0.7067, 0.0000,
1.0000

 90.9363, 0.3077,
0.4265

 0.0000, 0.0000,
0.0000

 117.4352, 0.3086,
0.4178

 148.6383, 0.3093,

0.4105

184.9303, 0.3098,
0.4043

■ 15.5540, 0.2936,
0.5177

■ 15.5540, 0.2936,
0.5177

■ 15.2773, 0.2934,
0.5442

■ 15.9338, 0.2948,
0.4885

■ 15.0917, 0.2943,
0.5664

■ 16.4237, 0.2968,
0.4582

■ 14.9724, 0.2951,
0.5825

■ 17.0322, 0.2994,
0.4285

■ 17.7662, 0.3025,
0.4003

■ 18.6325, 0.3058,
0.3744

■ 19.6371, 0.3092,
0.3510

■ 20.7857, 0.3125,
0.3303

■ 22.0838, 0.3157,
0.3120

■ 23.5363, 0.3188,
0.2960

Harmonies

Analogous

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



15.5540, 0.3909, 0.5210



15.5540, 0.2936, 0.5177



15.5540, 0.2064, 0.4212

Triad

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



15.5540, 0.2936, 0.5177



15.5540, 0.1588, 0.1813



15.5540, 0.5003, 0.3164

Complementary

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



15.5540, 0.2936, 0.5177



6.9280, 0.3469, 0.1972

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.



15.5540, 0.4130, 0.2527



15.5540, 0.2936, 0.5177



15.5540, 0.2118, 0.1789

Square

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



15.5540, 0.2936, 0.5177



15.5540, 0.1397, 0.2174



15.5540, 0.3013, 0.2041



15.5540, 0.5199, 0.3870

Rectangle

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



15.5540, 0.2936, 0.5177



15.5540, 0.1668, 0.3367



15.5540, 0.3013, 0.2041



15.5540, 0.4774, 0.2941

Sweetspot

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



15.5546, 0.2936, 0.5177



32.6572, 0.3055, 0.3765



18.5436, 0.3866, 0.4923



7.3478, 0.3048, 0.3821



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.5546, 0.2936, 0.5177



26.6654, 0.2939, 0.5589



16.1391, 0.2585, 0.4057



4.8289, 0.3097, 0.3477



15.3590, 0.2952, 0.5827



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.9280, 0.3469, 0.1972



10.4147, 0.3564, 0.1827



6.1775, 0.4557, 0.2730



4.4011, 0.3159, 0.3110



5.6211, 0.3637, 0.1777



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.5540, 0.2936, 0.5177 looks on a white 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

Black Background



This preview shows how the Yxy color 15.5540, 0.2936, 0.5177 looks on a black 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

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

Yxy 15.5540, 0.2936, 0.5177

Background



This preview shows how black text looks on a background with the Yxy color 15.5540, 0.2936, 0.5177.



This preview shows how white text looks on a background with the Yxy color 15.5540, 0.2936, 0.5177.

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

15.5540, 0.2936, 0.5177

Protanopia

15.2721, 0.4107, 0.4485

Deuteranopia

15.2644, 0.4219, 0.4150



Tritanopia

15.4760, 0.2424, 0.3066

Trichromacy



Original Color

15.5540, 0.2936, 0.5177

Protanomaly

14.6990, 0.3572, 0.4783

Deuteranomaly

14.5168, 0.3640, 0.4544

Tritanomaly

15.3249, 0.2616, 0.3799

Monochromacy



Original Color

15.5540, 0.2936, 0.5177

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.7620, 0.3026, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5540, 0.2936, 0.5177 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(37, 126, 51)` looks like.

```
.text, #text, p{  
    color:rgb(37, 126, 51)  
}
```

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(37, 126, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 126, 51) }
```

Border

The CSS property to change the border of an element to Yxy 15.5540, 0.2936, 0.5177 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(37, 126, 51) }
```

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

```
.border{ border-color:rgb(37, 126, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 126, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 126, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 126, 51);  
box-shadow:4px 4px 4px 4px rgb(37, 126,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5540, 0.2936, 0.5177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 126, 51) }
```

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

```
.background{ background-color: rgb(37, 126,  
51) }
```

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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