

Converting Colors

$Y_{xy}(6.4433, 0.2930, 0.5720)$

Have a look what the booklet for
Yxy(6.4433, 0.2930, 0.5720)
contains.

Yxy(6.3816, 0.2929, 0.5717)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(6.3816, 0.2929, 0.5717)

Conversions

Conversions Part 1

Format	Color
Hex	01540F
RGB	1, 84, 15
RGB Percent	0%, 33%, 6%
CMY	0.9959, 0.6706, 0.9412
CMYK	0.99, 0.00, 0.82, 0.67
HSL	130°, 98%, 17%
HSV	130°, 99%, 33%
XYZ	3.2695, 6.3816, 1.5114
YIQ	51.3170, -27.3190, -39.0550

Conversions

Conversions Part 2

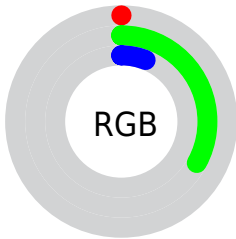
Format	Color
RYB	1, 72, 84
Decimal	87055
CIELab	30.36, -37.20, 31.86
CIELCh	30, 48.974, 139.421
Yxy	6.3816, 0.2929, 0.5717
Android (android.graphics.Color)	4278277135 (0xFF01540F)
YUV	51.3170, -17.9043, -44.1280
Hunter-Lab	25.2618, -21.1060, 14.1360

Details

The Yxy color **6.3816, 0.2929, 0.5717** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **2.3502, 0.3637, 0.1790**, and the grayscale version is **3.3749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **18.8106, 0.3068, 0.4916**, and **1.4510, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **6.3727, 0.2928, 0.5740**, and if you desaturate by 10%, it is **6.4595, 0.2930, 0.5513**.

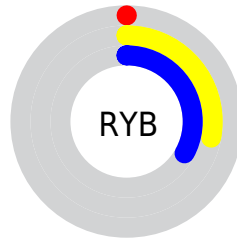
Distribution



Red (0%)

Green (33%)

Blue (6%)



Red (0%)

Yellow (28%)

Blue (33%)

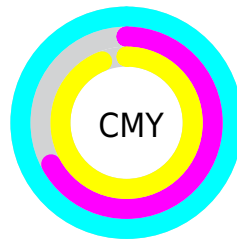


Cyan (99%)

Magenta (0%)

Yellow (82%)

Black (67%)



Cyan (100%)


Magenta (67%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 6.3816, 0.2929, 0.5717 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 6.3816, 0.2929, 0.5717 by changing the saturation by 10% instead.


 6.3816, 0.2929,
0.5717


 6.3816, 0.2929,
0.5717


 162.4217, 0.3144,
0.4025


 3.0785, 0.2820,
0.6688

 18.7179, 0.3075,
0.4915


 1.1728, 0.1341,
0.8659


 28.5198, 0.3103,
0.4678

 0.0394, 0.0000,
1.0000

 41.2568, 0.3119,
0.4501

 0.0000, 0.0000,
0.0000


 57.3133, 0.3129,
0.4363


 77.0736, 0.3136,
0.4252


 100.9222, 0.3140,


0.4162


 129.2434, 0.3142,
0.4088


 6.3816, 0.2929,
0.5717


 6.3816, 0.2929,
0.5717


 6.3727, 0.2928,
0.5740

 6.4595, 0.2930,
0.5513

 6.5563, 0.2927,
0.5275

 6.6906, 0.2934,
0.5007

 6.8658, 0.2950,
0.4724

 7.0849, 0.2972,
0.4440

■ 7.3507, 0.3001,
0.4166

■ 7.6656, 0.3032,
0.3908

■ 8.0320, 0.3065,
0.3671

■ 8.4521, 0.3098,
0.3458

Harmonies

Analogous

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



6.3816, 0.4083, 0.5544



6.3816, 0.2929, 0.5717



6.3816, 0.1910, 0.4594

Triad

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



6.3816, 0.2929, 0.5717



6.3816, 0.1313, 0.1585



6.3816, 0.5337, 0.3009

Complementary

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



6.3816, 0.2929, 0.5717



2.3502, 0.3637, 0.1790

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.



6.3816, 0.4209, 0.2317



6.3816, 0.2929, 0.5717



6.3816, 0.1855, 0.1543

Square

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



6.3816, 0.2929, 0.5717



6.3816, 0.1131, 0.2004



6.3816, 0.2850, 0.1797



6.3816, 0.5595, 0.3777

Rectangle

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



6.3816, 0.2929, 0.5717



6.3816, 0.1446, 0.3491



6.3816, 0.2850, 0.1797



6.3816, 0.5038, 0.2768

Sweetspot

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



6.3819, 0.2929, 0.5717



13.2577, 0.3024, 0.3965



7.6515, 0.3922, 0.5251



3.3599, 0.3016, 0.4031



47.7000, 0.3127, 0.3290



3.9682, 0.3127, 0.3290

Same Dimension

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



6.3819, 0.2929, 0.5717



11.1216, 0.2941, 0.5789



6.6363, 0.2536, 0.4308



2.0964, 0.3099, 0.3456



10.0541, 0.2939, 0.5781



57.8881, 0.2963, 0.5866

Inverse Universe

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



2.3502, 0.3637, 0.1790



4.0514, 0.3662, 0.1791



1.9947, 0.5394, 0.2769



1.9271, 0.3157, 0.3129



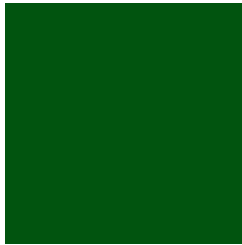
3.6635, 0.3659, 0.1789



21.0147, 0.3694, 0.1809

Previews

White Background



This preview shows how the Yxy color 6.3816, 0.2929, 0.5717 looks on a white background.

Color Contrast Check

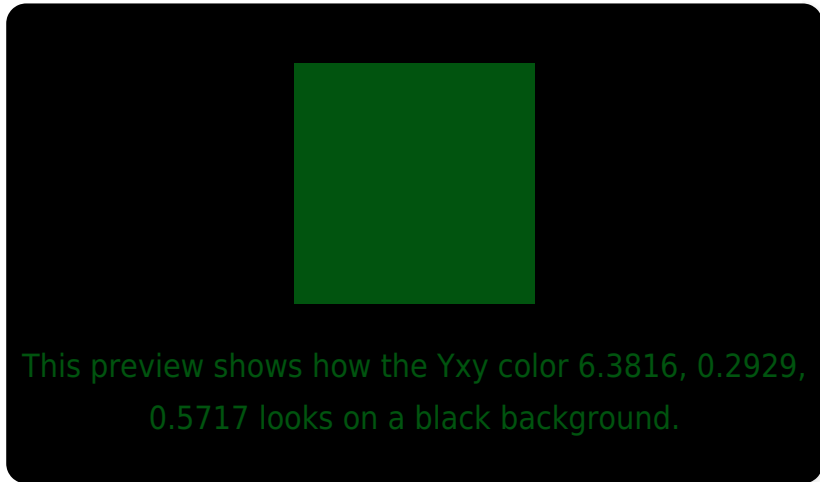
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 6.3816, 0.2929, 0.5717

Background



This preview shows how black text looks on a background with the Yxy color 6.3816, 0.2929, 0.5717.



This preview shows how white text looks on a background with the Yxy color 6.3816, 0.2929, 0.5717.

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

6.3816, 0.2929, 0.5717

Protanopia

6.4106, 0.4289, 0.4760

Deuteranopia

6.3698, 0.4437, 0.4390



Tritanopia

6.4620, 0.2397, 0.3063

Trichromacy



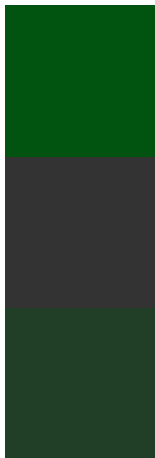
Original Color
6.3816, 0.2929, 0.5717

Protanomaly
5.9280, 0.3601, 0.5241

Deuteranomaly
5.8476, 0.3683, 0.4985

Tritanomaly
6.2457, 0.2596, 0.4016

Monochromacy



Original Color
6.3816, 0.2929, 0.5717

Achromatopsia
3.3105, 0.3127, 0.3290

Achromatomaly
4.0183, 0.2982, 0.4350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 6.3816, 0.2929, 0.5717 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(1, 84, 15)` looks like.

```
.text, #text, p{  
    color:rgb(1, 84, 15)  
}
```

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(1, 84, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 84, 15) }
```

Border

The CSS property to change the border of an element to Yxy 6.3816, 0.2929, 0.5717 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(1, 84, 15) }
```

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

```
.border{ border-color:rgb(1, 84, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 84, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 84, 15); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 84, 15); box-shadow:4px  
4px 4px 4px rgb(1, 84, 15) }
```


Background

The CSS property to change the background color of an element to Yxy 6.3816, 0.2929, 0.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 84, 15) }
```

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

```
.background{ background-color: rgb(1, 84,  
15) }
```

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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