

Converting Colors

$Y_{xy}(13.5690, 0.2896, 0.4803)$

Have a look what the booklet for
Yxy(13.5690, 0.2896, 0.4803)
contains.

Yxy(13.5624, 0.2899, 0.4810)	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

Yxy(13.5624, 0.2899, 0.4810)

Conversions

Conversions Part 1

Format	Color
Hex	2B753C
RGB	43, 117, 60
RGB Percent	17%, 46%, 24%
CMY	0.8312, 0.5412, 0.7648
CMYK	0.63, 0.00, 0.49, 0.54
HSL	134°, 46%, 31%
HSV	134°, 63%, 46%
XYZ	8.1741, 13.5624, 6.4598
YIQ	88.3760, -25.8070, -33.4150

Conversions

Conversions Part 2

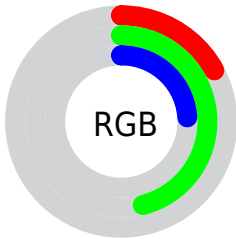
Format	Color
R_{YB}	43, 103, 117
Decimal	2848060
CIE _{Lab}	43.60, -36.19, 24.75
CIE _{LCh}	44, 43.845, 145.629
Yxy	13.5624, 0.2899, 0.4810
Android (android.graphics.Color)	4281038140 (0xFF2B753C)
YUV	88.3760, -13.9894, -39.7948
Hunter-Lab	36.8272, -24.8280, 15.3791

Details

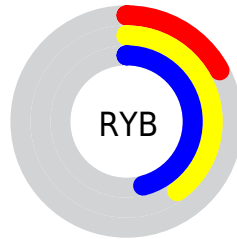
The Yxy color **13.5624, 0.2899, 0.4810** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.4338, 0.3537, 0.2166**, and the grayscale version is **9.8833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3735, 0.2988, 0.4395**, and **4.1687, 0.2885, 0.5584** is the 20% darker color. If you saturate the color by 10%, you get **13.2577, 0.2888, 0.5083**, and if you desaturate by 10%, it is **13.9571, 0.2921, 0.4531**.

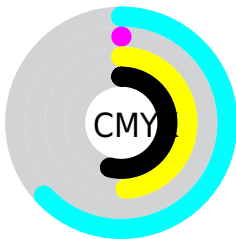
Distribution



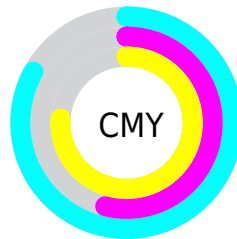
- Red (17%)
- Green (46%)
- Blue (24%)



- Red (17%)
- Yellow (40%)
- Blue (46%)



- Cyan (63%)
- Magenta (0%)
- Yellow (49%)
- Black (54%)




- Cyan (83%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5624, 0.2899, 0.4810 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 13.5624, 0.2899, 0.4810 by changing the saturation by 10% instead.


 13.5624, 0.2899,
0.4810


 13.5624, 0.2899,
0.4810


214.4912, 0.3070,
0.3841


 7.8169, 0.2815,
0.5167


 32.3105, 0.2984,
0.4386


 3.9780, 0.2662,
0.5724

 46.0820, 0.3008,
0.4251

 1.6613, 0.2478,
0.7522

 63.2976, 0.3025,
0.4145

 0.3984, 0.0000,
1.0000

 84.3417, 0.3038,
0.4060

 0.0000, 0.0000,
0.0000

 109.5987, 0.3049,
0.3991

 139.4531, 0.3057,

0.3932

174.2891, 0.3064,
0.3883

■ 13.5624, 0.2899,
0.4810

■ 13.5624, 0.2899,
0.4810

■ 13.2577, 0.2888,
0.5083

■ 13.9571, 0.2921,
0.4531

■ 13.0342, 0.2890,
0.5337

■ 14.4464, 0.2951,
0.4257

■ 12.8830, 0.2905,
0.5557

■ 15.0369, 0.2988,
0.3998

■ 12.8006, 0.2913,
0.5687

■ 15.7338, 0.3028,
0.3759

■ 16.5420, 0.3071,
0.3542

■ 17.4663, 0.3114,
0.3348

■ 18.5110, 0.3156,
0.3176

■ 19.6803, 0.3196,
0.3025

■ 20.9780, 0.3235,
0.2893

Harmonies

Analogous

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



13.5624, 0.3759, 0.4978



13.5624, 0.2899, 0.4810



13.5624, 0.2147, 0.3954

Triad

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



13.5624, 0.2899, 0.4810



13.5624, 0.1803, 0.1973



13.5624, 0.4787, 0.3278

Complementary

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



13.5624, 0.2899, 0.4810



6.4338, 0.3537, 0.2166

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.



13.5624, 0.4092, 0.2687



13.5624, 0.2899, 0.4810



13.5624, 0.2322, 0.1973

Square

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



13.5624, 0.2899, 0.4810



13.5624, 0.1596, 0.2276



13.5624, 0.3142, 0.2226



13.5624, 0.4915, 0.3924

Rectangle

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



13.5624, 0.2899, 0.4810



13.5624, 0.1810, 0.3264



13.5624, 0.3142, 0.2226



13.5624, 0.4609, 0.3072

Sweetspot

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



13.5630, 0.2899, 0.4810



28.6899, 0.3044, 0.3675



15.6624, 0.3743, 0.4820



6.5231, 0.3034, 0.3726



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.5630, 0.2899, 0.4810



23.5335, 0.2888, 0.5207



14.0822, 0.2571, 0.3821



4.1107, 0.3089, 0.3458



14.1015, 0.2915, 0.5695



68.6070, 0.2937, 0.5774

Inverse Universe

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



6.4338, 0.3537, 0.2166



9.5937, 0.3665, 0.2000



5.8828, 0.4449, 0.2868



3.7443, 0.3168, 0.3128



4.9814, 0.3862, 0.1901



24.1400, 0.3904, 0.1924

Previews

White Background



This preview shows how the Yxy color 13.5624, 0.2899, 0.4810 looks on a white background.

Color Contrast Check

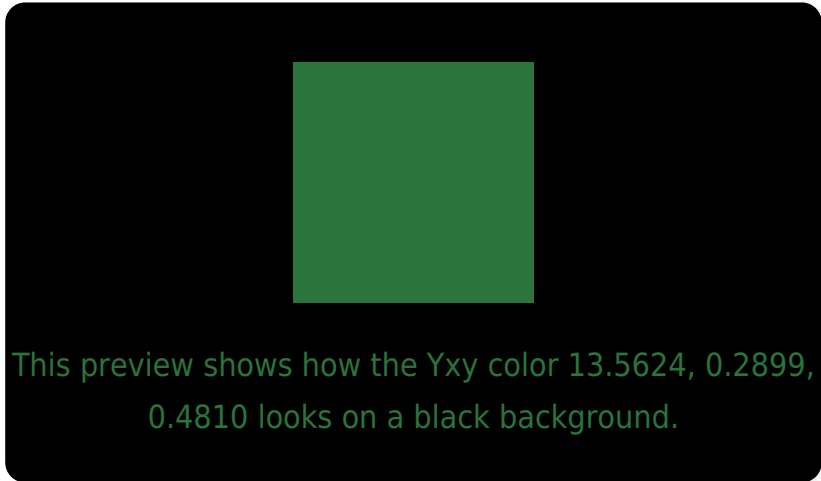
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

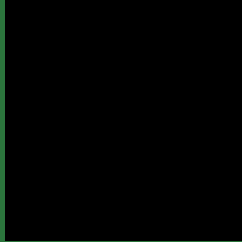
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5624, 0.2899, 0.4810

Background



This preview shows how black text looks on a background with the Yxy color 13.5624, 0.2899, 0.4810.



This preview shows how white text looks on a background with the Yxy color 13.5624, 0.2899, 0.4810.

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

13.5624, 0.2899, 0.4810

Protanopia

13.4870, 0.3933, 0.4295

Deuteranopia

13.4021, 0.4021, 0.3953



Tritanopia

13.4444, 0.2465, 0.3077

Trichromacy



Original Color

13.5624, 0.2899, 0.4810

Protanomaly

13.0952, 0.3481, 0.4502

Deuteranomaly

12.8949, 0.3533, 0.4271

Tritanomaly

13.4764, 0.2620, 0.3666

Monochromacy



Original Color

13.5624, 0.2899, 0.4810

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.8515, 0.3016, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5624, 0.2899, 0.4810 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, 117, 60)` looks like.

```
.text, #text, p{  
    color:rgb(43, 117, 60)  
}
```

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, 117, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 117, 60) }
```

Border

The CSS property to change the border of an element to Yxy 13.5624, 0.2899, 0.4810 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, 117, 60) }
```

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

```
.border{ border-color:rgb(43, 117, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 117, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 117, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 117, 60);  
box-shadow:4px 4px 4px 4px rgb(43, 117,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5624, 0.2899, 0.4810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 117, 60) }
```

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

```
.background{ background-color: rgb(43, 117,  
60) }
```

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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