

Converting Colors

$Y_{xy}(13.8277, 0.3219, 0.4141)$

Have a look what the booklet for
Yxy(13.8277, 0.3219, 0.4141)
contains.

Yxy(13.8082, 0.3217, 0.4151)	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(13.8082, 0.3217, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	556F4B
RGB	85, 111, 75
RGB Percent	33%, 44%, 29%
CMY	0.6666, 0.5647, 0.7059
CMYK	0.23, 0.00, 0.32, 0.56
HSL	103°, 19%, 36%
HSV	103°, 32%, 44%
XYZ	10.7013, 13.8082, 8.7553
YIQ	99.1220, -3.9400, -16.7080

Conversions

Conversions Part 2

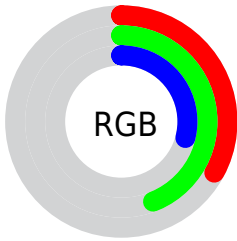
Format	Color
RYB	75, 111, 101
Decimal	5599051
CIELab	43.96, -17.00, 17.05
CIElCh	44, 24.075, 134.913
Yxy	13.8082, 0.3217, 0.4151
Android (android.graphics.Color)	4283789131 (0xFF556F4B)
YUV	99.1220, -11.8921, -12.3850
Hunter-Lab	37.1594, -13.6240, 12.0420

Details

The Yxy color **13.8082, 0.3217, 0.4151** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.9433, 0.2995, 0.2492**, and the grayscale version is **12.5417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8005, 0.3200, 0.3927**, and **4.0801, 0.3239, 0.4639** is the 20% darker color. If you saturate the color by 10%, you get **13.3159, 0.3236, 0.4457**, and if you desaturate by 10%, it is **14.3707, 0.3193, 0.3861**.

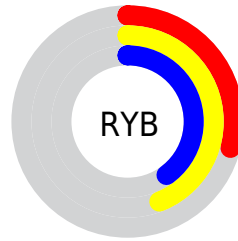
Distribution



Red (33%)

Green (44%)

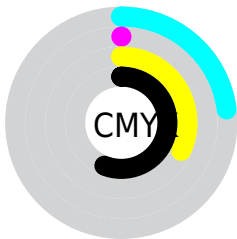
Blue (29%)



Red (29%)

Yellow (44%)

Blue (40%)

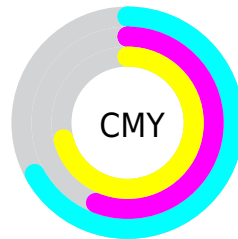


Cyan (23%)

Magenta (0%)

Yellow (32%)

Black (56%)



Cyan (67%)


Magenta (56%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8082, 0.3217, 0.4151 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 13.8082, 0.3217, 0.4151 by changing the saturation by 10% instead.


 13.8082, 0.3217,
0.4151


 13.8082, 0.3217,
0.4151


216.0343, 0.3174,
0.3617


 7.9874, 0.3223,
0.4339


 32.7483, 0.3203,
0.3922


 4.0869, 0.3222,
0.4630

 46.6364, 0.3197,
0.3848


 1.7223, 0.3263,
0.5244

 63.9824, 0.3192,
0.3789

 0.4380, 0.0032,
0.9968

 85.1707, 0.3187,
0.3742

 0.0000, 0.0000,
0.0000

 110.5856, 0.3183,
0.3702

140.6116, 0.3180,

0.3669

175.6330, 0.3176,
0.3641

■ 13.8082, 0.3217,
0.4151

■ 13.8082, 0.3217,
0.4151

■ 13.3159, 0.3236,
0.4457

■ 14.3707, 0.3193,
0.3861

■ 12.8891, 0.3246,
0.4768

■ 15.0042, 0.3165,
0.3591

■ 12.5256, 0.3247,
0.5071

■ 15.7118, 0.3135,
0.3346

■ 12.2220, 0.3235,
0.5348

■ 16.4958, 0.3104,
0.3126

■ 11.9748, 0.3211,
0.5583

■ 17.3585, 0.3074,
0.2930

■ 11.7799, 0.3175,
0.5762

■ 18.3020, 0.3044,
0.2756

■ 11.6589, 0.3151,
0.5880

■ 19.3285, 0.3016,
0.2602

■ 20.4398, 0.2990,
0.2466

■ 21.6380, 0.2965,
0.2347

Harmonies

Analogous

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



13.8082, 0.3697, 0.4183



13.8082, 0.3217, 0.4151



13.8082, 0.2735, 0.3818

Triad

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



13.8082, 0.3217, 0.4151



13.8082, 0.2273, 0.2575



13.8082, 0.3926, 0.3189

Complementary

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



13.8082, 0.3217, 0.4151



8.9433, 0.2995, 0.2492

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.



13.8082, 0.3487, 0.2833



13.8082, 0.3217, 0.4151



13.8082, 0.2537, 0.2486

Square

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



13.8082, 0.3217, 0.4151



13.8082, 0.2217, 0.2862



13.8082, 0.2972, 0.2583



13.8082, 0.4132, 0.3589

Rectangle

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



13.8082, 0.3217, 0.4151



13.8082, 0.2477, 0.3491



13.8082, 0.2972, 0.2583



13.8082, 0.3799, 0.3062

Sweetspot

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



13.8088, 0.3217, 0.4151



27.1311, 0.3158, 0.3536



13.1553, 0.3648, 0.3852



6.4861, 0.3161, 0.3564



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.8088, 0.3217, 0.4151



24.0434, 0.3232, 0.4383



13.4857, 0.2997, 0.3986



3.8040, 0.3154, 0.3504



13.7263, 0.3146, 0.5884



67.9961, 0.3113, 0.5910

Inverse Universe

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



8.9433, 0.2995, 0.2492



13.8557, 0.2953, 0.2296



9.3932, 0.3293, 0.2683



3.4091, 0.3097, 0.3080



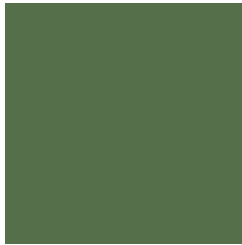
3.3538, 0.2539, 0.1173



16.2593, 0.2502, 0.1152

Previews

White Background



This preview shows how the Yxy color 13.8082, 0.3217, 0.4151 looks on a white background.

Color Contrast Check

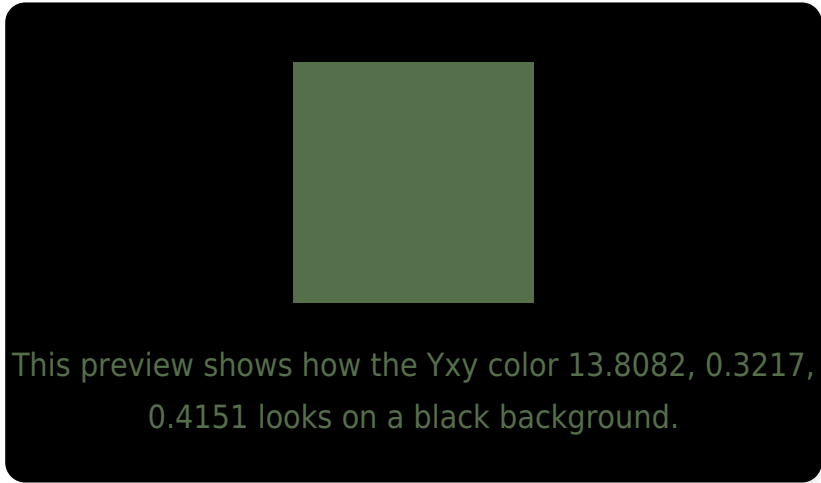
Large Text (above 18pt) WCAG AA ✓ Pass

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

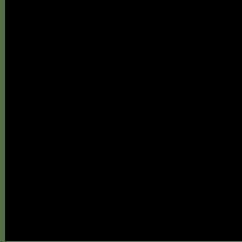
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8082, 0.3217, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 13.8082, 0.3217, 0.4151.



This preview shows how white text looks on a background with the Yxy color 13.8082, 0.3217, 0.4151.

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

13.8082, 0.3217, 0.4151

Protanopia

13.8133, 0.3685, 0.3976

Deuteranopia

13.6113, 0.3790, 0.3721



Tritanopia

13.7471, 0.2831, 0.3113

Trichromacy



Original Color

13.8082, 0.3217, 0.4151

Protanomaly

13.8212, 0.3501, 0.4053

Deuteranomaly

13.4875, 0.3576, 0.3859

Tritanomaly

13.7691, 0.2972, 0.3473

Monochromacy



Original Color

13.8082, 0.3217, 0.4151

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.8184, 0.3170, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8082, 0.3217, 0.4151 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(85, 111, 75) looks like.

```
.text, #text, p{  
  color:rgb(85, 111, 75)  
}
```

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(85, 111, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 111, 75) }
```

Border

The CSS property to change the border of an element to Yxy 13.8082, 0.3217, 0.4151 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(85, 111, 75) }
```

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

```
.border{ border-color:rgb(85, 111, 75) }
```

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

Here you see how a box with a 4 pixel rgb(85, 111, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 111, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 111, 75);  
box-shadow:4px 4px 4px 4px rgb(85, 111,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8082, 0.3217, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 111, 75) }
```

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

```
.background{ background-color: rgb(85, 111,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor