

Converting Colors

$Y_{xy}(13.1510, 0.2597, 0.3481)$

Have a look what the booklet for
Yxy(13.1510, 0.2597, 0.3481)
contains.

Yxy(13.2477, 0.2600, 0.3487)	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(13.2477, 0.2600, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	3A6F67
RGB	58, 111, 103
RGB Percent	23%, 44%, 40%
CMY	0.7725, 0.5647, 0.5961
CMYK	0.48, 0.00, 0.07, 0.56
HSL	171°, 31%, 33%
HSV	171°, 48%, 44%
XYZ	9.8778, 13.2477, 14.8661
YIQ	94.2410, -29.0200, -13.7240

Conversions

Conversions Part 2

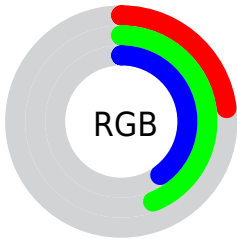
Format	Color
R_{YB}	58, 87, 111
Decimal	3829607
CIE Lab	43.13, -19.81, -1.03
CIE LCh	43, 19.838, 182.977
Yxy	13.2477, 0.2600, 0.3487
Android (android.graphics.Color)	4282019687 (0xFF3A6F67)
YUV	94.2410, 4.3182, -31.7834
Hunter-Lab	36.3974, -15.2526, 1.2618

Details

The Yxy color **13.2477, 0.2600, 0.3487** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.8010, 0.4144, 0.3113**, and the grayscale version is **11.2492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7787, 0.2732, 0.3440**, and **3.8470, 0.2339, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **12.9172, 0.2523, 0.3536**, and if you desaturate by 10%, it is **13.6517, 0.2692, 0.3440**.

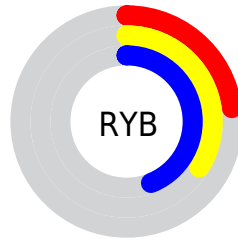
Distribution



 Red (23%)

 Green (44%)

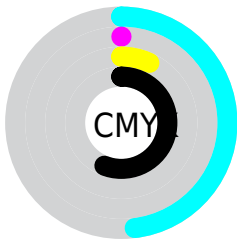
 Blue (40%)



 Red (23%)

 Yellow (34%)

 Blue (44%)

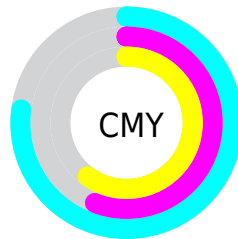


 Cyan (48%)

 Magenta (0%)

 Yellow (7%)

 Black (56%)



 Cyan (77%)


 Magenta (56%)

 Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2477, 0.2600, 0.3487 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 13.2477, 0.2600, 0.3487 by changing the saturation by 10% instead.


 13.2477, 0.2600,
0.3487


 13.2477, 0.2600,
0.3487


212.4991, 0.2916,
0.3370


 7.5993, 0.2495,
0.3525


 31.7481, 0.2731,
0.3439


 3.8397, 0.2339,
0.3581

 45.3689, 0.2775,
0.3423


 1.5843, 0.2084,
0.3670

 62.4159, 0.2811,
0.3410

 0.3470, 0.0000,
0.4355

 83.2737, 0.2839,
0.3399

 0.0000, 0.0000,
0.0000

 108.3265, 0.2863,
0.3390

 137.9587, 0.2884,

0.3382

172.5548, 0.2901,
0.3376

■ 13.2477, 0.2600,
0.3487

■ 13.2477, 0.2600,
0.3487

■ 12.9172, 0.2523,
0.3536

■ 13.6517, 0.2692,
0.3440

■ 12.6539, 0.2462,
0.3586

■ 14.1319, 0.2795,
0.3396

■ 12.4532, 0.2418,
0.3636


■ 14.6926, 0.2909,
0.3355


■ 12.3091, 0.2392,
0.3687


■ 15.3376, 0.3030,
0.3317

■ 12.2043, 0.2378,
0.3738

■ 16.0703, 0.3156,
0.3282

 12.1812, 0.2375,
0.3750

 16.8939, 0.3285,
0.3251

 17.8114, 0.3415,
0.3223

 18.8259, 0.3544,
0.3198

 19.9400, 0.3670,
0.3176

Harmonies

Analogous

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



13.2477, 0.2957, 0.3860



13.2477, 0.2600, 0.3487



13.2477, 0.2389, 0.3078

Triad

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



13.2477, 0.2600, 0.3487



13.2477, 0.2840, 0.2638



13.2477, 0.3951, 0.3745

Complementary

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



13.2477, 0.2600, 0.3487



6.8010, 0.4144, 0.3113

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.



13.2477, 0.3925, 0.3416



13.2477, 0.2600, 0.3487



13.2477, 0.3259, 0.2804

Square

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



13.2477, 0.2600, 0.3487



13.2477, 0.2520, 0.2620



13.2477, 0.3665, 0.3081



13.2477, 0.3743, 0.3987

Rectangle

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



13.2477, 0.2600, 0.3487



13.2477, 0.2350, 0.2855



13.2477, 0.3665, 0.3081



13.2477, 0.3970, 0.3641

Sweetspot

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



13.2482, 0.2600, 0.3487



26.6792, 0.2949, 0.3342



12.8626, 0.3167, 0.4653



6.3636, 0.2928, 0.3349



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.



13.2482, 0.2600, 0.3487



23.0870, 0.2517, 0.3540



9.9362, 0.2445, 0.2839



3.8069, 0.3014, 0.3322



14.3509, 0.2376, 0.3754



71.3871, 0.2384, 0.3782

Inverse Universe

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



6.8010, 0.4144, 0.3113



10.0598, 0.4521, 0.3082



8.8099, 0.4139, 0.3690



3.4090, 0.3253, 0.3258



4.0264, 0.6120, 0.3145



19.9739, 0.6223, 0.3202

Previews

White Background



This preview shows how the Yxy color 13.2477, 0.2600, 0.3487 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 13.2477, 0.2600, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

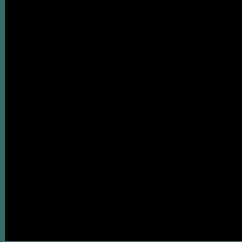
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2477, 0.2600, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 13.2477, 0.2600, 0.3487.



This preview shows how white text looks on a background with the Yxy color 13.2477, 0.2600, 0.3487.

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

13.2477, 0.2600, 0.3487

Protanopia

13.1135, 0.3226, 0.3379

Deuteranopia

13.0272, 0.3180, 0.3120



Tritanopia

13.2694, 0.2487, 0.3077

Trichromacy



Original Color

13.2477, 0.2600, 0.3487

Protanomaly

13.0302, 0.2957, 0.3430

Deuteranomaly

12.8941, 0.2922, 0.3244

Tritanomaly

13.3362, 0.2528, 0.3217

Monochromacy



Original Color

13.2477, 0.2600, 0.3487

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.7267, 0.2898, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2477, 0.2600, 0.3487 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(58, 111, 103)` looks like.

```
.text, #text, p{  
  color:rgb(58, 111, 103)  
}
```

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(58, 111, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 111, 103) }
```

Border

The CSS property to change the border of an element to Yxy 13.2477, 0.2600, 0.3487 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(58, 111, 103) }
```

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

```
.border{ border-color:rgb(58, 111, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 111, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 111, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 111, 103);  
box-shadow:4px 4px 4px 4px rgb(58, 111,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2477, 0.2600, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 111, 103) }
```

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

```
.background{ background-color: rgb(58, 111,  
103) }
```

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