

Converting Colors

$Y_{xy}(13.0216, 0.2542, 0.3339)$

Have a look what the booklet for
Yxy(13.0216, 0.2542, 0.3339)
contains.

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Color

Yxy(13.1044, 0.2539, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	396E6C
RGB	57, 110, 108
RGB Percent	22%, 43%, 42%
CMY	0.7765, 0.5686, 0.5764
CMYK	0.48, 0.00, 0.02, 0.57
HSL	178°, 32%, 33%
HSV	178°, 48%, 43%
XYZ	9.9707, 13.1044, 16.1949
YIQ	93.9250, -30.9460, -11.8580

Conversions

Conversions Part 2

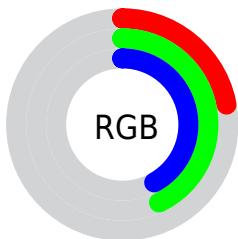
Format	Color
RYB	57, 84, 110
Decimal	3763820
CIELab	42.92, -18.15, -4.38
CIELCh	43, 18.676, 193.565
Yxy	13.1044, 0.2539, 0.3337
Android (android.graphics.Color)	4281953900 (0xFF396E6C)
YUV	93.9250, 6.9390, -32.3832
Hunter-Lab	36.2000, -14.1853, -1.1848




Details

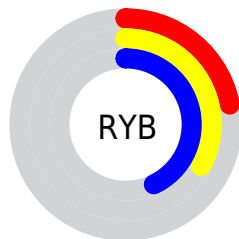
The Yxy color **13.1044, 0.2539, 0.3337** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.5573, 0.4302, 0.3249**, and the grayscale version is **11.1641, 0.3127, 0.3290**.




A 20% lighter version of the original color is **31.5320, 0.2685, 0.3339**, and **3.7822, 0.2258, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **12.8071, 0.2455, 0.3348**, and if you desaturate by 10%, it is **13.4728, 0.2639, 0.3326**.

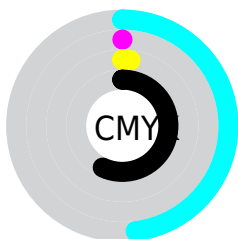
Distribution







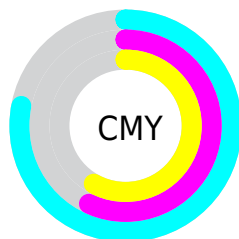
-  Red (22%)
-  Green (43%)
-  Blue (42%)






-  Red (22%)
-  Yellow (33%)
-  Blue (43%)



-  Cyan (48%)
-  Magenta (0%)
-  Yellow (2%)
-  Black (57%)



-  Cyan (78%)
-  Magenta (57%)
-  Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1044, 0.2539, 0.3337 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 13.1044, 0.2539, 0.3337 by changing the saturation by 10% instead.

13.1044, 0.2539,
0.3337

13.1044, 0.2539,
0.3337

211.5857, 0.2890,
0.3314

7.5005, 0.2424,
0.3341

31.4912, 0.2684,
0.3329

3.7770, 0.2254,
0.3344

45.0429, 0.2733,
0.3326

1.5496, 0.1979,
0.3339

62.0126, 0.2772,
0.3323

0.3233, 0.0000,
0.3294

82.7848, 0.2804,
0.3321

0.0000, 0.0000,
0.0000

107.7438, 0.2831,
0.3319

137.2740, 0.2854,

0.3317

171.7598, 0.2873,
0.3315

■ 13.1044, 0.2539,
0.3337

■ 13.1044, 0.2539,
0.3337

■ 12.8071, 0.2455,
0.3348

■ 13.4728, 0.2639,
0.3326

■ 12.5749, 0.2387,
0.3360

■ 13.9150, 0.2753,
0.3316

■ 12.4030, 0.2336,
0.3372

■ 14.4353, 0.2878,
0.3306

■ 12.2857, 0.2303,
0.3383

■ 15.0373, 0.3012,
0.3297

■ 12.2045, 0.2281,
0.3395

■ 15.7244, 0.3153,
0.3289

■ 12.1900, 0.2277,
0.3397

■ 16.4996, 0.3298,
0.3281

■ 17.3661, 0.3445,
0.3274

■ 18.3266, 0.3592,
0.3268

■ 19.3840, 0.3737,
0.3263

Harmonies

Analogous

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



13.1044, 0.2836, 0.3716



13.1044, 0.2539, 0.3337



13.1044, 0.2398, 0.2973

Triad

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



13.1044, 0.2539, 0.3337



13.1044, 0.2990, 0.2712



13.1044, 0.3860, 0.3818

Complementary

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



13.1044, 0.2539, 0.3337



6.5573, 0.4302, 0.3249

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.



13.1044, 0.3916, 0.3526



13.1044, 0.2539, 0.3337



13.1044, 0.3396, 0.2912

Square

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



13.1044, 0.2539, 0.3337



13.1044, 0.2644, 0.2643



13.1044, 0.3744, 0.3202



13.1044, 0.3601, 0.3992

Rectangle

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



13.1044, 0.2539, 0.3337



13.1044, 0.2403, 0.2793



13.1044, 0.3744, 0.3202



13.1044, 0.3904, 0.3729

Sweetspot

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



13.1049, 0.2539, 0.3337



25.7362, 0.2928, 0.3302



12.3973, 0.3091, 0.4698



5.9496, 0.2906, 0.3304



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.1049, 0.2539, 0.3337



22.4293, 0.2444, 0.3350



8.6756, 0.2411, 0.2667



3.8131, 0.3001, 0.3298



14.6430, 0.2277, 0.3398



72.9135, 0.2279, 0.3404

Inverse Universe

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



6.5573, 0.4302, 0.3249



9.4108, 0.4758, 0.3243



9.4734, 0.4082, 0.3829



3.4033, 0.3269, 0.3282



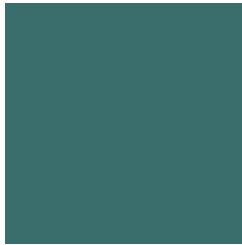
3.9922, 0.6335, 0.3264



19.8582, 0.6373, 0.3285

Previews

White Background



This preview shows how the Yxy color 13.1044, 0.2539, 0.3337 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 13.1044, 0.2539, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

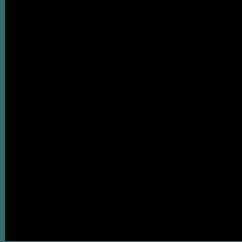
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1044, 0.2539, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 13.1044, 0.2539, 0.3337.



This preview shows how white text looks on a background with the Yxy color 13.1044, 0.2539, 0.3337.

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

13.1044, 0.2539, 0.3337

Protanopia

12.8984, 0.3129, 0.3246

Deuteranopia

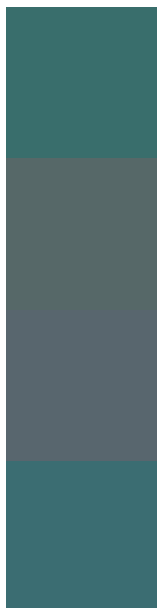
12.9472, 0.3067, 0.3013



Tritanopia

13.1823, 0.2478, 0.3099

Trichromacy



Original Color

13.1044, 0.2539, 0.3337

Protanomaly

12.8785, 0.2883, 0.3289

Deuteranomaly

12.7032, 0.2835, 0.3107

Tritanomaly

13.0820, 0.2497, 0.3168

Monochromacy



Original Color

13.1044, 0.2539, 0.3337

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.7645, 0.2874, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1044, 0.2539, 0.3337 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(57, 110, 108)` looks like.

```
.text, #text, p{  
  color:rgb(57, 110, 108)  
}
```

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(57, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 110, 108) }
```

Border

The CSS property to change the border of an element to Yxy 13.1044, 0.2539, 0.3337 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(57, 110, 108) }
```

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

```
.border{ border-color:rgb(57, 110, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 110, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 110, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 110, 108);  
box-shadow:4px 4px 4px 4px rgb(57, 110,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1044, 0.2539, 0.3337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 110, 108) }
```

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

```
.background{ background-color: rgb(57, 110,  
108) }
```

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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