

Converting Colors

$Y_{xy}(13.2008, 0.2647, 0.3325)$

Have a look what the booklet for
Yxy(13.2008, 0.2647, 0.3325)
contains.

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Color

Yxy(13.2278, 0.2650, 0.3337)

Conversions

Conversions Part 1

Format	Color
Hex	446D6B
RGB	68, 109, 107
RGB Percent	27%, 43%, 42%
CMY	0.7334, 0.5725, 0.5804
CMYK	0.38, 0.00, 0.02, 0.57
HSL	177°, 23%, 35%
HSV	177°, 38%, 43%
XYZ	10.5045, 13.2278, 15.9075
YIQ	96.5130, -23.7940, -9.3140

Conversions

Conversions Part 2

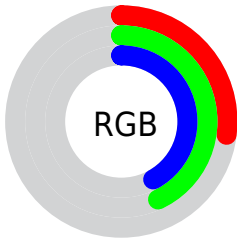
Format	Color
R _Y B	68, 89, 109
Decimal	4484459
CIE Lab	43.10, -14.81, -3.43
CIE LCh	43, 15.206, 193.043
Yxy	13.2278, 0.2650, 0.3337
Android (android.graphics.Color)	4282674539 (0xFF446D6B)
YUV	96.5130, 5.1701, -25.0059
Hunter-Lab	36.3700, -12.0925, -0.4731

Details

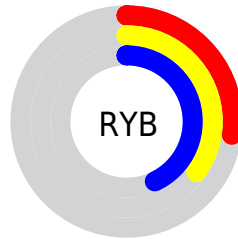
The Yxy color **13.2278, 0.2650, 0.3337** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.8246, 0.3932, 0.3246**, and the grayscale version is **11.8188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8099, 0.2769, 0.3338**, and **3.8022, 0.2411, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **12.8611, 0.2550, 0.3351**, and if you desaturate by 10%, it is **13.6685, 0.2763, 0.3323**.

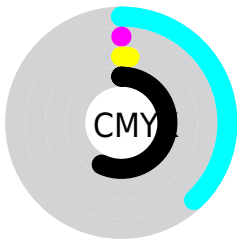
Distribution



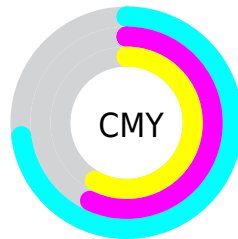
- Red (27%)
- Green (43%)
- Blue (42%)



- Red (27%)
- Yellow (35%)
- Blue (43%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (57%)



- Cyan (73%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2278, 0.2650, 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 13.2278, 0.2650, 0.3337 by changing the saturation by 10% instead.

■ 13.2278, 0.2650,
0.3337

■ 13.2278, 0.2650,
0.3337

■ 212.3725, 0.2935,
0.3312

■ 7.5856, 0.2556,
0.3343

■ 31.7124, 0.2768,
0.3328

■ 3.8309, 0.2416,
0.3350

■ 45.3237, 0.2808,
0.3324

■ 1.5795, 0.2188,
0.3356

■ 62.3600, 0.2840,
0.3321

■ 0.3437, 0.0000,
0.3588

■ 83.2059, 0.2866,
0.3319

■ 0.0000, 0.0000,
0.0000

■ 108.2457, 0.2887,
0.3317

137.8638, 0.2906,

0.3315

172.4446, 0.2922,
0.3313

■ 13.2278, 0.2650,
0.3337

■ 13.2278, 0.2650,
0.3337

■ 12.8611, 0.2550,
0.3351

■ 13.6685, 0.2763,
0.3323

■ 12.5628, 0.2466,
0.3366

■ 14.1854, 0.2888,
0.3310

■ 12.3290, 0.2398,
0.3382

■ 14.7824, 0.3021,
0.3298

■ 12.1546, 0.2347,
0.3397

■ 15.4630, 0.3160,
0.3288

■ 12.0341, 0.2313,
0.3412

■ 16.2300, 0.3304,
0.3278

■ 11.9506, 0.2292,
0.3428

■ 17.0865, 0.3449,
0.3269

■ 11.9315, 0.2287,
0.3431

■ 18.0353, 0.3593,
0.3261

■ 19.0790, 0.3736,
0.3254

■ 20.2202, 0.3876,
0.3248

Harmonies

Analogous

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



13.2278, 0.2898, 0.3637



13.2278, 0.2650, 0.3337



13.2278, 0.2529, 0.3041

Triad

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



13.2278, 0.2650, 0.3337



13.2278, 0.3012, 0.2812



13.2278, 0.3725, 0.3722

Complementary

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



13.2278, 0.2650, 0.3337



7.8246, 0.3932, 0.3246

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.



13.2278, 0.3765, 0.3485



13.2278, 0.2650, 0.3337



13.2278, 0.3341, 0.2976

Square

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



13.2278, 0.2650, 0.3337



13.2278, 0.2729, 0.2758



13.2278, 0.3623, 0.3217



13.2278, 0.3520, 0.3858

Rectangle

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



13.2278, 0.2650, 0.3337



13.2278, 0.2531, 0.2891



13.2278, 0.3623, 0.3217



13.2278, 0.3759, 0.3651

Sweetspot

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



13.2283, 0.2650, 0.3337



26.0579, 0.2971, 0.3303



12.6590, 0.3103, 0.4346



6.0397, 0.2959, 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.



13.2283, 0.2650, 0.3337



23.1105, 0.2563, 0.3349



9.7363, 0.2566, 0.2825



3.4895, 0.3003, 0.3300



13.9523, 0.2287, 0.3433



71.0546, 0.2289, 0.3441

Inverse Universe

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



7.8246, 0.3932, 0.3246



11.9522, 0.4216, 0.3237



10.3945, 0.3824, 0.3711



3.1190, 0.3266, 0.3280



3.8153, 0.6313, 0.3251



19.4031, 0.6364, 0.3279

Previews

White Background



This preview shows how the Yxy color 13.2278, 0.2650, 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 13.2278, 0.2650, 0.3337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

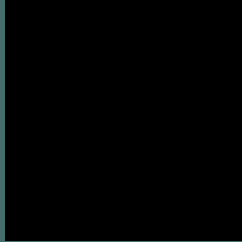
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2278, 0.2650, 0.3337

Background



This preview shows how black text looks on a background with the Yxy color 13.2278, 0.2650, 0.3337.



This preview shows how white text looks on a background with the Yxy color 13.2278, 0.2650, 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

13.2278, 0.2650, 0.3337

Protanopia

13.1502, 0.3143, 0.3268

Deuteranopia

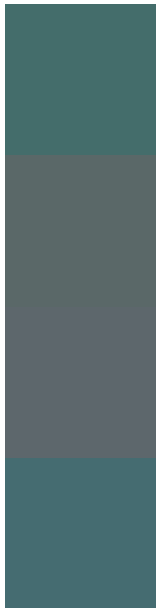
13.2160, 0.3123, 0.3078



Tritanopia

13.2882, 0.2578, 0.3102

Trichromacy



Original Color

13.2278, 0.2650, 0.3337

Protanomaly

13.0738, 0.2935, 0.3289

Deuteranomaly

13.1104, 0.2925, 0.3177

Tritanomaly

13.1826, 0.2597, 0.3171

Monochromacy



Original Color

13.2278, 0.2650, 0.3337

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.2254, 0.2917, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2278, 0.2650, 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(68, 109, 107)` looks like.

```
.text, #text, p{  
    color:rgb(68, 109, 107)  
}
```

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(68, 109, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 109, 107) }
```

Border

The CSS property to change the border of an element to Yxy 13.2278, 0.2650, 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(68, 109, 107) }
```

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

```
.border{ border-color:rgb(68, 109, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 109, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 109, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 109, 107);  
box-shadow:4px 4px 4px 4px rgb(68, 109,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2278, 0.2650, 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(68, 109, 107) }
```

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

```
.background{ background-color: rgb(68, 109,  
107) }
```

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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