

Converting Colors

$Y_{xy}(13.7885, 0.2418, 0.3178)$

Have a look what the booklet for
 $\text{Yxy}(13.7885, 0.2418, 0.3178)$
contains.

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Color

Yxy(13.8221, 0.2417, 0.3169)

Conversions

Conversions Part 1

Format	Color
Hex	337176
RGB	51, 113, 118
RGB Percent	20%, 44%, 46%
CMY	0.7998, 0.5569, 0.5372
CMYK	0.57, 0.04, 0.00, 0.54
HSL	184°, 40%, 33%
HSV	184°, 57%, 46%
XYZ	10.5421, 13.8221, 19.2524
YIQ	95.0320, -38.5570, -11.5890

Conversions

Conversions Part 2

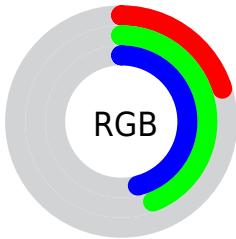
Format	Color
RYB	51, 83, 118
Decimal	3371382
CIELab	43.98, -18.29, -8.85
CIELCh	44, 20.314, 205.816
Yxy	13.8221, 0.2417, 0.3169
Android (android.graphics.Color)	4281561462 (0xFF337176)
YUV	95.0320, 11.3232, -38.6161
Hunter-Lab	37.1781, -14.4466, -4.6782

Details


The Yxy color **13.8221, 0.2417, 0.3169** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.9247, 0.4654, 0.3397**, and the grayscale version is **11.4341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7556, 0.2587, 0.3207**, and **4.2228, 0.2191, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **13.3579, 0.2336, 0.3145**, and if you desaturate by 10%, it is **14.3672, 0.2514, 0.3193**.

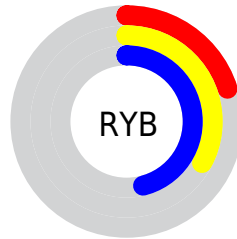
Distribution



 Red (20%)

 Green (44%)

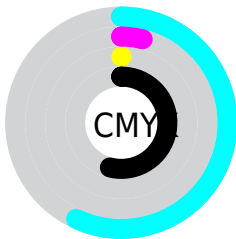
 Blue (46%)




 Red (20%)

 Yellow (33%)

 Blue (46%)

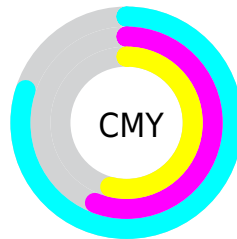


 Cyan (57%)

 Magenta (4%)

 Yellow (0%)

 Black (54%)



 Cyan (80%)


 Magenta (56%)


 Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8221, 0.2417, 0.3169 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 13.8221, 0.2417, 0.3169 by changing the saturation by 10% instead.


 13.8221, 0.2417,
0.3169

 13.8221, 0.2417,
0.3169


 216.1213, 0.2835,
0.3250


 7.9970, 0.2285,
0.3137


 32.7730, 0.2587,
0.3206


 4.0931, 0.2093,
0.3084

 46.6677, 0.2645,
0.3217

 1.7258, 0.1795,
0.2985

 64.0210, 0.2692,
0.3226

 0.4402, 0.0000,
0.2851

 85.2174, 0.2731,
0.3233

 0.0000, 0.0000,
0.0000

 110.6412, 0.2763,
0.3239

 140.6769, 0.2790,

0.3243

175.7088, 0.2814,
0.3247

■ 13.8221, 0.2417,
0.3169

■ 13.8221, 0.2417,
0.3169

■ 13.3579, 0.2336,
0.3145

■ 14.3672, 0.2514,
0.3193

■ 12.9669, 0.2273,
0.3120

■ 14.9968, 0.2626,
0.3216

■ 12.6427, 0.2226,
0.3096

■ 15.7166, 0.2751,
0.3238

■ 12.3703, 0.2194,
0.3072

■ 16.5309, 0.2886,
0.3259

■ 12.2838, 0.2185,
0.3064

■ 17.4440, 0.3028,
0.3278

■ 18.4599, 0.3176,
0.3296

■ 19.5823, 0.3325,
0.3312

■ 20.8148, 0.3476,
0.3326

■ 22.1607, 0.3624,
0.3339

Harmonies

Analogous

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



13.8221, 0.2670, 0.3588



13.8221, 0.2417, 0.3169



13.8221, 0.2344, 0.2824

Triad

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



13.8221, 0.2417, 0.3169



13.8221, 0.3155, 0.2748



13.8221, 0.3817, 0.3948

Complementary

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



13.8221, 0.2417, 0.3169



6.9247, 0.4654, 0.3397

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.



13.8221, 0.3976, 0.3674



13.8221, 0.2417, 0.3169



13.8221, 0.3581, 0.3005

Square

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



13.8221, 0.2417, 0.3169



13.8221, 0.2748, 0.2614



13.8221, 0.3890, 0.3334



13.8221, 0.3476, 0.4059

Rectangle

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



13.8221, 0.2417, 0.3169



13.8221, 0.2401, 0.2678



13.8221, 0.3890, 0.3334



13.8221, 0.3895, 0.3870

Sweetspot

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



13.8226, 0.2417, 0.3169



28.9622, 0.2876, 0.3257



13.9433, 0.3009, 0.4908



6.6078, 0.2856, 0.3254



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.



13.8226, 0.2417, 0.3169



23.2705, 0.2316, 0.3138



7.7594, 0.2241, 0.2315



4.1107, 0.2995, 0.3274



13.2810, 0.2184, 0.3063



64.1691, 0.2181, 0.3050

Inverse Universe

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



7.4157, 0.3279, 0.2089



11.0168, 0.3317, 0.1888



11.2340, 0.4223, 0.4075



3.7534, 0.3147, 0.3096



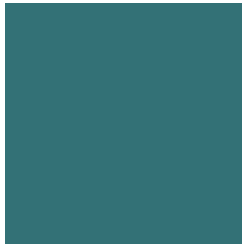
5.3647, 0.3399, 0.1646



26.0873, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 13.8221, 0.2417, 0.3169 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 13.8221, 0.2417, 0.3169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

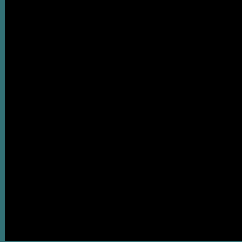
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8221, 0.2417, 0.3169

Background



This preview shows how black text looks on a background with the Yxy color 13.8221, 0.2417, 0.3169.



This preview shows how white text looks on a background with the Yxy color 13.8221, 0.2417, 0.3169.

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

13.8221, 0.2417, 0.3169

Protanopia

13.7539, 0.3011, 0.3098

Deuteranopia

13.6911, 0.2925, 0.2875



Tritanopia

13.7235, 0.2386, 0.3054

Trichromacy



Original Color

13.8221, 0.2417, 0.3169

Protanomaly

13.6151, 0.2748, 0.3131

Deuteranomaly

13.3905, 0.2691, 0.2957

Tritanomaly

13.6989, 0.2394, 0.3076

Monochromacy



Original Color

13.8221, 0.2417, 0.3169

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.1443, 0.2803, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8221, 0.2417, 0.3169 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(51, 113, 118)` looks like.

```
.text, #text, p{  
    color:rgb(51, 113, 118)  
}
```

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(51, 113, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 113, 118) }
```

Border

The CSS property to change the border of an element to Yxy 13.8221, 0.2417, 0.3169 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(51, 113, 118) }
```

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

```
.border{ border-color:rgb(51, 113, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 113, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 113, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 113, 118);  
box-shadow:4px 4px 4px 4px rgb(51, 113,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8221, 0.2417, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 113, 118) }
```

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

```
.background{ background-color: rgb(51, 113,  
118) }
```

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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