

Converting Colors

$Y_{xy}(13.6115, 0.2412, 0.3462)$

Have a look what the booklet for
Yxy(13.6115, 0.2412, 0.3462)
contains.

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Color

Yxy(13.7015, 0.2409, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	23736C
RGB	35, 115, 108
RGB Percent	14%, 45%, 42%
CMY	0.8627, 0.5490, 0.5764
CMYK	0.70, 0.00, 0.06, 0.55
HSL	175°, 53%, 29%
HSV	175°, 70%, 45%
XYZ	9.5313, 13.7015, 16.3326
YIQ	90.2820, -45.4330, -19.1370

Conversions

Conversions Part 2

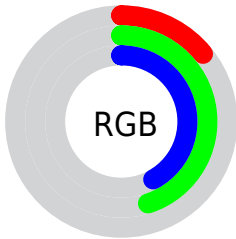
Format	Color
RYB	35, 77, 115
Decimal	2323308
CIELab	43.80, -25.47, -3.16
CIElCh	44, 25.666, 187.072
Yxy	13.7015, 0.2409, 0.3463
Android (android.graphics.Color)	4280513388 (0xFF23736C)
YUV	90.2820, 8.7350, -48.4823
Hunter-Lab	37.0155, -18.8144, -0.2500




Details

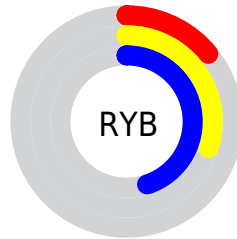
The Yxy color **13.7015, 0.2409, 0.3463** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.0148, 0.5108, 0.3167**, and the grayscale version is **10.2797, 0.3127, 0.3290**.




A 20% lighter version of the original color is **32.4159, 0.2587, 0.3424**, and **4.2334, 0.2305, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **13.5115, 0.2364, 0.3491**, and if you desaturate by 10%, it is **13.9588, 0.2471, 0.3435**.

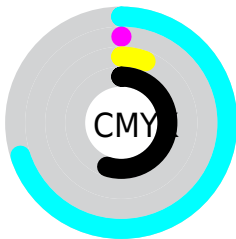
Distribution







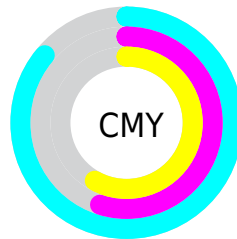
-  Red (14%)
-  Green (45%)
-  Blue (42%)






-  Red (14%)
-  Yellow (30%)
-  Blue (45%)



-  Cyan (70%)
-  Magenta (0%)
-  Yellow (6%)
-  Black (55%)





-  Cyan (86%)
-  Magenta (55%)
-  Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7015, 0.2409, 0.3463 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 13.7015, 0.2409, 0.3463 by changing the saturation by 10% instead.


 13.7015, 0.2409,
0.3463


 13.7015, 0.2409,
0.3463

215.3659, 0.2835,
0.3365


 7.9133, 0.2272,
0.3491


 32.5584, 0.2584,
0.3424


 4.0396, 0.2071,
0.3530

 46.3960, 0.2643,
0.3411


 1.6957, 0.1754,
0.3582

 63.6855, 0.2691,
0.3400

 0.4209, 0.0000,
0.3826

 84.8114, 0.2730,
0.3391

 0.0000, 0.0000,
0.0000

 110.1579, 0.2762,
0.3383

 140.1096, 0.2790,

0.3376

175.0508, 0.2814,
0.3370

■ 13.7015, 0.2409,
0.3463

■ 13.7015, 0.2409,
0.3463

■ 13.5115, 0.2364,
0.3491

■ 13.9588, 0.2471,
0.3435

■ 13.3804, 0.2337,
0.3520

■ 14.2877, 0.2550,
0.3407

■ 13.2847, 0.2320,
0.3548

■ 14.6938, 0.2644,
0.3381

■ 13.2805, 0.2319,
0.3549

■ 15.1820, 0.2752,
0.3355

■ 15.7564, 0.2871,
0.3332

■ 16.4212, 0.2999,
0.3309

■ 17.1801, 0.3133,
0.3289

■ 18.0366, 0.3271,
0.3271

■ 18.9943, 0.3411,
0.3254

Harmonies

Analogous

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



13.7015, 0.2833, 0.3978



13.7015, 0.2409, 0.3463



13.7015, 0.2182, 0.2943

Triad

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



13.7015, 0.2409, 0.3463



13.7015, 0.2825, 0.2496



13.7015, 0.4155, 0.3900

Complementary

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



13.7015, 0.2409, 0.3463



5.0148, 0.5108, 0.3167

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.



13.7015, 0.4174, 0.3492



13.7015, 0.2409, 0.3463



13.7015, 0.3366, 0.2722

Square

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



13.7015, 0.2409, 0.3463



13.7015, 0.2406, 0.2441



13.7015, 0.3877, 0.3074



13.7015, 0.3847, 0.4200

Rectangle

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



13.7015, 0.2409, 0.3463



13.7015, 0.2157, 0.2682



13.7015, 0.3877, 0.3074



13.7015, 0.4197, 0.3770

Sweetspot

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



13.7020, 0.2409, 0.3463



27.9966, 0.2847, 0.3336



12.8968, 0.3094, 0.5370



6.6246, 0.2820, 0.3341



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.



13.7020, 0.2409, 0.3463



24.0506, 0.2347, 0.3507



7.7827, 0.2149, 0.2430



4.1500, 0.3006, 0.3308



15.1808, 0.2320, 0.3551



73.9141, 0.2324, 0.3566

Inverse Universe

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



5.0148, 0.5108, 0.3167



7.3773, 0.5765, 0.3186



7.7815, 0.4747, 0.3938



3.7056, 0.3263, 0.3272



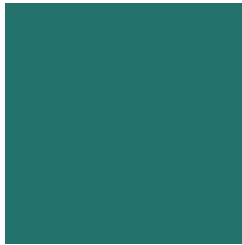
4.1903, 0.6254, 0.3219



20.3628, 0.6326, 0.3258

Previews

White Background



This preview shows how the Yxy color 13.7015, 0.2409, 0.3463 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 13.7015, 0.2409, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

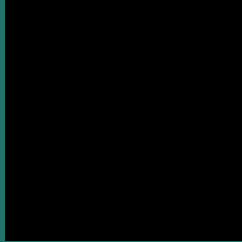
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

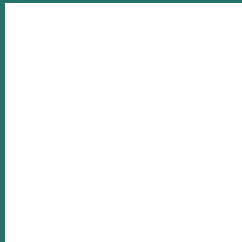
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.7015, 0.2409, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 13.7015, 0.2409, 0.3463.



This preview shows how white text looks on a background with the Yxy color 13.7015, 0.2409, 0.3463.

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

13.7015, 0.2409, 0.3463

Protanopia

13.6433, 0.3182, 0.3334

Deuteranopia

13.5133, 0.3109, 0.3059



Tritanopia

13.7290, 0.2332, 0.3074

Trichromacy



Original Color

13.7015, 0.2409, 0.3463

Protanomaly

13.2203, 0.2812, 0.3360

Deuteranomaly

13.0228, 0.2765, 0.3173

Tritanomaly

13.7701, 0.2359, 0.3215

Monochromacy



Original Color

13.7015, 0.2409, 0.3463

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.0888, 0.2754, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7015, 0.2409, 0.3463 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(35, 115, 108)` looks like.

```
.text, #text, p{  
    color:rgb(35, 115, 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(35, 115, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 115, 108) }
```

Border

The CSS property to change the border of an element to Yxy 13.7015, 0.2409, 0.3463 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(35, 115, 108) }
```

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

```
.border{ border-color:rgb(35, 115, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 115, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 115, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 115, 108);  
box-shadow:4px 4px 4px 4px rgb(35, 115,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7015, 0.2409, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 115, 108) }
```

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

```
.background{ background-color: rgb(35, 115,  
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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