

Converting Colors

$Y_{xy}(13.3395, 0.2418, 0.3286)$

Have a look what the booklet for
Yxy(13.3395, 0.2418, 0.3286)
contains.

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Color

Yxy(13.3161, 0.2420, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	2D7070
RGB	45, 112, 112
RGB Percent	18%, 44%, 44%
CMY	0.8235, 0.5608, 0.5608
CMYK	0.60, 0.00, 0.00, 0.56
HSL	180°, 43%, 31%
HSV	180°, 60%, 44%
XYZ	9.8008, 13.3161, 17.3822
YIQ	91.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

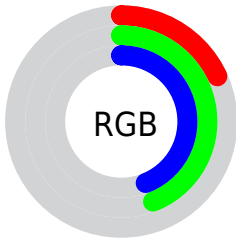
Format	Color
RYB	45, 79, 112
Decimal	2977904
CIELab	43.24, -20.86, -6.36
CIELCh	43, 21.811, 196.967
Yxy	13.3161, 0.2420, 0.3288
Android (android.graphics.Color)	4281167984 (0xFF2D7070)
YUV	91.9670, 9.8763, -41.1901
Hunter-Lab	36.4912, -15.9183, -2.6983

Details

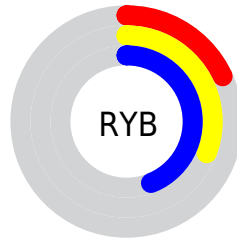
The Yxy color **13.3161, 0.2420, 0.3288** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.5112, 0.4840, 0.3295**, and the grayscale version is **10.6784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8839, 0.2591, 0.3288**, and **4.0370, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **13.0954, 0.2353, 0.3288**, and if you desaturate by 10%, it is **13.6053, 0.2504, 0.3288**.

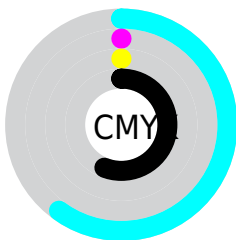
Distribution



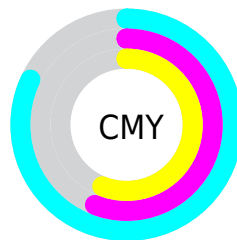
- Red (18%)
- Green (44%)
- Blue (44%)



- Red (18%)
- Yellow (31%)
- Blue (44%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (56%)





- Cyan (82%)
- Magenta (56%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3161, 0.2420, 0.3288 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 13.3161, 0.2420, 0.3288 by changing the saturation by 10% instead.


 13.3161, 0.2420,
0.3288


 13.3161, 0.2420,
0.3288

212.9337, 0.2839,
0.3297


 7.6466, 0.2285,
0.3279


 31.8705, 0.2592,
0.3295


 3.8696, 0.2088,
0.3261

 45.5242, 0.2650,
0.3296


 1.6009, 0.1777,
0.3218

 62.6080, 0.2697,
0.3297

 0.3582, 0.0000,
0.3002

 83.5065, 0.2736,
0.3297

 0.0000, 0.0000,
0.0000

 108.6038, 0.2768,
0.3298

 138.2846, 0.2795,

0.3298

172.9331, 0.2819,
0.3298

■ 13.3161, 0.2420,
0.3288

■ 13.3161, 0.2420,
0.3288

■ 13.0954, 0.2353,
0.3288

■ 13.6053, 0.2504,
0.3288

■ 12.9362, 0.2303,
0.3288

■ 13.9663, 0.2605,
0.3289

■ 12.8326, 0.2270,
0.3288

■ 14.4040, 0.2720,
0.3289

■ 12.7599, 0.2247,
0.3288

■ 14.9225, 0.2847,
0.3289

■ 12.7587, 0.2247,
0.3288

■ 15.5256, 0.2985,
0.3290

■ 16.2168, 0.3130,
0.3290

■ 16.9995, 0.3280,
0.3290

■ 17.8768, 0.3433,
0.3291

■ 18.8518, 0.3586,
0.3291

Harmonies

Analogous

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



13.3161, 0.2742, 0.3743



13.3161, 0.2420, 0.3288



13.3161, 0.2283, 0.2877

Triad

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



13.3161, 0.2420, 0.3288



13.3161, 0.3018, 0.2647



13.3161, 0.3951, 0.3926

Complementary

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



13.3161, 0.2420, 0.3288



5.5112, 0.4840, 0.3295

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.



13.3161, 0.4051, 0.3596



13.3161, 0.2420, 0.3288



13.3161, 0.3490, 0.2889

Square

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



13.3161, 0.2420, 0.3288



13.3161, 0.2607, 0.2548



13.3161, 0.3880, 0.3225



13.3161, 0.3626, 0.4116

Rectangle

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



13.3161, 0.2420, 0.3288



13.3161, 0.2305, 0.2686



13.3161, 0.3880, 0.3225



13.3161, 0.4013, 0.3826

Sweetspot

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



13.3166, 0.2420, 0.3288



26.3482, 0.2865, 0.3289



12.3619, 0.3053, 0.5100



6.2746, 0.2834, 0.3289



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.



13.3166, 0.2420, 0.3288



22.8781, 0.2331, 0.3288



7.4093, 0.2234, 0.2417



3.8152, 0.2996, 0.3290



14.7491, 0.2247, 0.3288



73.4719, 0.2247, 0.3288

Inverse Universe

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



5.5112, 0.4840, 0.3295



7.7747, 0.5477, 0.3297



8.9961, 0.4365, 0.3992



3.4015, 0.3274, 0.3290



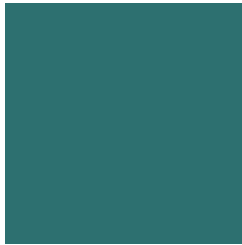
3.9824, 0.6401, 0.3300



19.8379, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 13.3161, 0.2420, 0.3288 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 13.3161, 0.2420, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

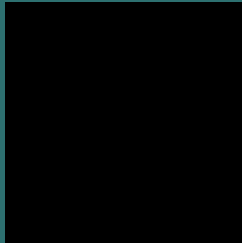
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3161, 0.2420, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 13.3161, 0.2420, 0.3288.



This preview shows how white text looks on a background with the Yxy color 13.3161, 0.2420, 0.3288.

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

13.3161, 0.2420, 0.3288

Protanopia

13.1521, 0.3088, 0.3202

Deuteranopia

13.1647, 0.3000, 0.2952



Tritanopia

13.3533, 0.2369, 0.3073

Trichromacy



Original Color

13.3161, 0.2420, 0.3288

Protanomaly

12.9352, 0.2775, 0.3219

Deuteranomaly

12.9545, 0.2730, 0.3061

Tritanomaly

13.2576, 0.2387, 0.3143

Monochromacy



Original Color

13.3161, 0.2420, 0.3288

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.3204, 0.2794, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3161, 0.2420, 0.3288 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(45, 112, 112)` looks like.

```
.text, #text, p{  
    color:rgb(45, 112, 112)  
}
```

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(45, 112, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 112, 112) }
```

Border

The CSS property to change the border of an element to Yxy 13.3161, 0.2420, 0.3288 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(45, 112, 112) }
```

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

```
.border{ border-color:rgb(45, 112, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 112, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 112, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 112, 112);  
box-shadow:4px 4px 4px 4px rgb(45, 112,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3161, 0.2420, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 112, 112) }
```

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

```
.background{ background-color: rgb(45, 112,  
112) }
```

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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