

Converting Colors

$Y_{xy}(13.2342, 0.2190, 0.2999)$

Have a look what the booklet for
Yxy(13.2342, 0.2190, 0.2999)
contains.

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Color

Yxy(13.1291, 0.2190, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	0D707C
RGB	13, 112, 124
RGB Percent	5%, 44%, 49%
CMY	0.9493, 0.5608, 0.5137
CMYK	0.90, 0.10, 0.00, 0.51
HSL	186°, 81%, 27%
HSV	186°, 90%, 49%
XYZ	9.5970, 13.1291, 21.0960
YIQ	83.7670, -62.8560, -17.2560

Conversions

Conversions Part 2

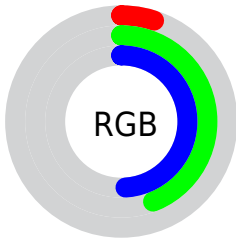
Format	Color
RYB	13, 65, 124
Decimal	880764
CIELab	42.96, -21.30, -14.08
CIELCh	43, 25.530, 213.468
Yxy	13.1291, 0.2190, 0.2996
Android (android.graphics.Color)	4279070844 (0xFF0D707C)
YUV	83.7670, 19.8349, -62.0627
Hunter-Lab	36.2341, -16.1318, -9.1555

Details

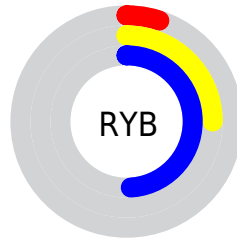
The Yxy color **13.1291, 0.2190, 0.2996** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.0053, 0.5971, 0.3424**, and the grayscale version is **8.7788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5642, 0.2412, 0.3073**, and **4.1748, 0.2129, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **12.7547, 0.2157, 0.2960**, and if you desaturate by 10%, it is **13.5530, 0.2235, 0.3032**.

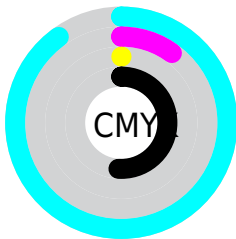
Distribution



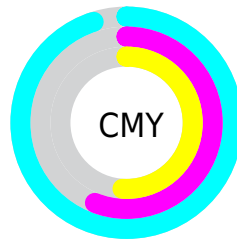
- Red (5%)
- Green (44%)
- Blue (49%)



- Red (5%)
- Yellow (25%)
- Blue (49%)



- Cyan (90%)
- Magenta (10%)
- Yellow (0%)
- Black (51%)





- Cyan (95%)
- Magenta (56%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1291, 0.2190, 0.2996 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 13.1291, 0.2190, 0.2996 by changing the saturation by 10% instead.


 13.1291, 0.2190,
0.2996


 13.1291, 0.2190,
0.2996


211.7434, 0.2738,
0.3188


 7.5175, 0.2020,
0.2924


 31.5355, 0.2412,
0.3081


 3.7878, 0.1777,
0.2809

 45.0991, 0.2488,
0.3108

 1.5556, 0.1413,
0.2607

 62.0822, 0.2550,
0.3129

 0.3274, 0.0000,
0.1904

 82.8692, 0.2601,
0.3145

 0.0000, 0.0000,
0.0000

 107.8444, 0.2644,
0.3159

 137.3922, 0.2680,

0.3170

171.8971, 0.2711,
0.3180

■ 13.1291, 0.2190,
0.2996

■ 13.1291, 0.2190,
0.2996

■ 12.7547, 0.2157,
0.2960

■ 13.5530, 0.2235,
0.3032

■ 12.7391, 0.2155,
0.2959

■ 14.0511, 0.2297,
0.3068

■ 14.6320, 0.2377,
0.3104

■ 15.3028, 0.2474,
0.3139

■ 16.0698, 0.2586,
0.3173

■ 16.9388, 0.2710,
0.3206

■ 17.9149, 0.2844,
0.3236

■ 19.0030, 0.2986,
0.3265

■ 20.2077, 0.3133,
0.3291

Harmonies

Analogous

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



13.1291, 0.2445, 0.3532



13.1291, 0.2190, 0.2996



13.1291, 0.2163, 0.2612

Triad

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



13.1291, 0.2190, 0.2996



13.1291, 0.3300, 0.2682



13.1291, 0.3903, 0.4182

Complementary

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



13.1291, 0.2190, 0.2996



5.0053, 0.5971, 0.3424

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.



13.1291, 0.4184, 0.3859



13.1291, 0.2190, 0.2996



13.1291, 0.3830, 0.3025

Square

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



13.1291, 0.2190, 0.2996



13.1291, 0.2763, 0.2473



13.1291, 0.4164, 0.3441



13.1291, 0.3425, 0.4275

Rectangle

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



13.1291, 0.2190, 0.2996



13.1291, 0.2272, 0.2474



13.1291, 0.4164, 0.3441



13.1291, 0.4024, 0.4092

Sweetspot

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



13.1296, 0.2190, 0.2996



30.1277, 0.2735, 0.3212



14.5656, 0.2969, 0.5738



6.9896, 0.2699, 0.3203



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



13.1296, 0.2190, 0.2996



22.2977, 0.2153, 0.2951



4.5013, 0.1794, 0.1529



4.4421, 0.2994, 0.3266



12.9489, 0.2155, 0.2958



61.0125, 0.2150, 0.2940

Inverse Universe

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



5.7407, 0.3453, 0.1742



9.5332, 0.3498, 0.1701



9.9878, 0.4895, 0.4357



4.0704, 0.3152, 0.3101



5.5141, 0.3491, 0.1697



26.2264, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 13.1291, 0.2190, 0.2996 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 13.1291, 0.2190, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

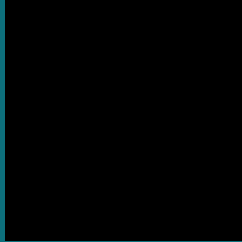
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1291, 0.2190, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 13.1291, 0.2190, 0.2996.

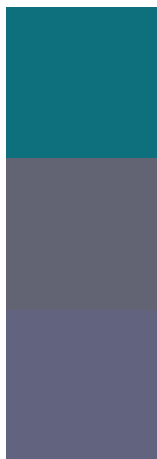


This preview shows how white text looks on a background with the Yxy color 13.1291, 0.2190, 0.2996.

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

13.1291, 0.2190, 0.2996

Protanopia

12.9720, 0.2892, 0.2943

Deuteranopia

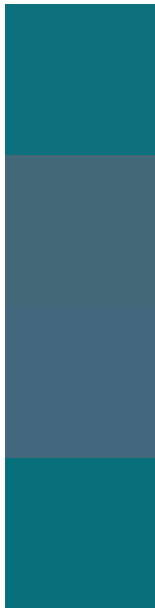
13.0527, 0.2761, 0.2704



Tritanopia

13.0193, 0.2186, 0.3041

Trichromacy



Original Color

13.1291, 0.2190, 0.2996

Protanomaly

12.4258, 0.2504, 0.2937

Deuteranomaly

12.6003, 0.2439, 0.2786

Tritanomaly

13.0636, 0.2185, 0.3018

Monochromacy



Original Color

13.1291, 0.2190, 0.2996

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.8058, 0.2574, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1291, 0.2190, 0.2996 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(13, 112, 124)` looks like.

```
.text, #text, p{  
    color:rgb(13, 112, 124)  
}
```

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(13, 112, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 112, 124) }
```

Border

The CSS property to change the border of an element to Yxy 13.1291, 0.2190, 0.2996 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(13, 112, 124) }
```

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

```
.border{ border-color:rgb(13, 112, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 112, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 112, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 112, 124);  
box-shadow:4px 4px 4px 4px rgb(13, 112,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1291, 0.2190, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 112, 124) }
```

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

```
.background{ background-color: rgb(13, 112,  
124) }
```

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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