

Converting Colors

$Yxy(12.9463, 0.2100, 0.2678)$

Have a look what the booklet for
Yxy(12.9463, 0.2100, 0.2678)
contains.

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Color

$Y_{xy}(13.0150, 0.2102, 0.2685)$

Conversions

Conversions Part 1

Format	Color
Hex	0D6E88
RGB	13, 110, 136
RGB Percent	5%, 43%, 53%
CMY	0.9479, 0.5687, 0.4667
CMYK	0.90, 0.19, 0.00, 0.47
HSL	193°, 82%, 29%
HSV	193°, 90%, 53%
XYZ	10.1890, 13.0150, 25.2690
YIQ	83.9610, -66.1580, -12.4780

Conversions

Conversions Part 2

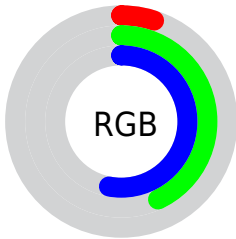
Format	Color
RYB	13, 67, 136
Decimal	880264
CIELab	42.79, -15.87, -21.55
CIElCh	43, 26.762, 233.638
Yxy	13.0150, 0.2102, 0.2685
Android (android.graphics.Color)	4279070344 (0xFF0D6E88)
YUV	83.9610, 25.6552, -62.2328
Hunter-Lab	36.0763, -12.7198, -16.2752

Details

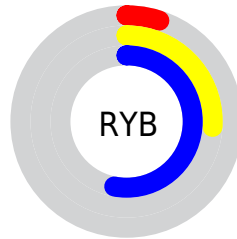
The Yxy color **13.0150, 0.2102, 0.2685** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.7352, 0.5828, 0.3580**, and the grayscale version is **8.8312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3996, 0.2342, 0.2854**, and **4.1171, 0.2009, 0.2431** is the 20% darker color. If you saturate the color by 10%, you get **12.3296, 0.2059, 0.2612**, and if you desaturate by 10%, it is **13.7914, 0.2158, 0.2760**.

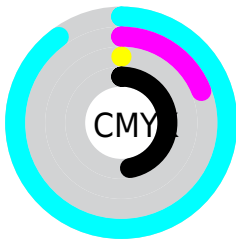
Distribution



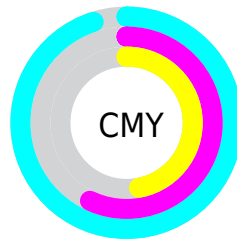
- Red (5%)
- Green (43%)
- Blue (53%)



- Red (5%)
- Yellow (26%)
- Blue (53%)



- Cyan (90%)
- Magenta (19%)
- Yellow (0%)
- Black (47%)



- Cyan (95%)
- Magenta (57%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0150, 0.2102, 0.2685 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 13.0150, 0.2102, 0.2685 by changing the saturation by 10% instead.

13.0150, 0.2102,
0.2685

13.0150, 0.2102,
0.2685

211.0138, 0.2697,
0.3059

7.4389, 0.1921,
0.2558

31.3307, 0.2341,
0.2843

3.7381, 0.1669,
0.2369

44.8391, 0.2424,
0.2896

1.5281, 0.1302,
0.2065

61.7604, 0.2491,
0.2937

0.3084, 0.0000,
0.1262

82.4789, 0.2547,
0.2971

0.0000, 0.0000,
0.0000

107.3792, 0.2593,
0.2999

136.8454, 0.2633,

0.3022

171.2622, 0.2667,
0.3042

■ 13.0150, 0.2102,
0.2685

■ 13.0150, 0.2102,
0.2685

■ 12.3296, 0.2059,
0.2612

■ 13.7914, 0.2158,
0.2760

■ 14.6735, 0.2233,
0.2836

■ 15.6725, 0.2326,
0.2910

■ 16.7977, 0.2434,
0.2983

■ 18.0571, 0.2556,
0.3052

■ 19.4581, 0.2689,
0.3118

■ 21.0076, 0.2830,
0.3180

■ 22.7119, 0.2975,
0.3237

■ 24.5768, 0.3124,
0.3289

Harmonies

Analogous

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



13.0150, 0.2207, 0.3152



13.0150, 0.2102, 0.2685



13.0150, 0.2233, 0.2434

Triad

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



13.0150, 0.2102, 0.2685



13.0150, 0.3696, 0.2882



13.0150, 0.3615, 0.4331

Complementary

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



13.0150, 0.2102, 0.2685



6.7352, 0.5828, 0.3580

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.



13.0150, 0.4065, 0.4130



13.0150, 0.2102, 0.2685



13.0150, 0.4135, 0.3298

Square

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



13.0150, 0.2102, 0.2685



13.0150, 0.3114, 0.2565



13.0150, 0.4268, 0.3743



13.0150, 0.3057, 0.4199

Rectangle

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



13.0150, 0.2102, 0.2685



13.0150, 0.2446, 0.2390



13.0150, 0.4268, 0.3743



13.0150, 0.3784, 0.4295

Sweetspot

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



13.0155, 0.2102, 0.2685



34.9851, 0.2725, 0.3135



17.8361, 0.2920, 0.5586



7.9243, 0.2685, 0.3116



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.0155, 0.2102, 0.2685



21.4977, 0.2055, 0.2596



4.1554, 0.1709, 0.1233



5.5117, 0.2991, 0.3243



11.6825, 0.2059, 0.2613



0.0984, 0.2158, 0.2968

Inverse Universe

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



6.6554, 0.3735, 0.1895



11.0782, 0.3828, 0.1882



14.2239, 0.4700, 0.4545



5.1111, 0.3167, 0.3119



5.9636, 0.3811, 0.1873



0.0417, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 13.0150, 0.2102, 0.2685 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 13.0150, 0.2102, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

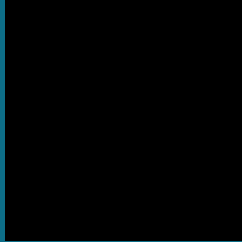
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0150, 0.2102, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 13.0150, 0.2102, 0.2685.

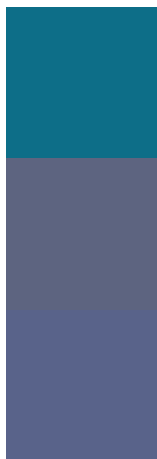


This preview shows how white text looks on a background with the Yxy color 13.0150, 0.2102, 0.2685.

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

13.0150, 0.2102, 0.2685

Protanopia

13.0000, 0.2690, 0.2696

Deuteranopia

12.8825, 0.2538, 0.2483



Tritanopia

12.9688, 0.2185, 0.3065

Trichromacy



Original Color

13.0150, 0.2102, 0.2685

Protanomaly

12.6293, 0.2369, 0.2681

Deuteranomaly

12.4987, 0.2291, 0.2537

Tritanomaly

12.9075, 0.2155, 0.2924

Monochromacy



Original Color

13.0150, 0.2102, 0.2685

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.7075, 0.2526, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0150, 0.2102, 0.2685 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, 110, 136)` looks like.

```
.text, #text, p{  
    color:rgb(13, 110, 136)  
}
```

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, 110, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 110, 136) }
```

Border

The CSS property to change the border of an element to Yxy 13.0150, 0.2102, 0.2685 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, 110, 136) }
```

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

```
.border{ border-color:rgb(13, 110, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 110, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 110, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 110, 136);  
box-shadow:4px 4px 4px 4px rgb(13, 110,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0150, 0.2102, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 110, 136) }
```

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

```
.background{ background-color: rgb(13, 110,  
136) }
```

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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