

Converting Colors

$Y_{xy}(13.0332, 0.2218, 0.2862)$

Have a look what the booklet for
Yxy(13.0332, 0.2218, 0.2862)
contains.

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Color

Yxy(13.0337, 0.2218, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	216E80
RGB	33, 110, 128
RGB Percent	13%, 43%, 50%
CMY	0.8703, 0.5686, 0.4980
CMYK	0.74, 0.14, 0.00, 0.50
HSL	191°, 59%, 32%
HSV	191°, 74%, 50%
XYZ	10.1009, 13.0337, 22.4059
YIQ	89.0290, -51.6700, -10.7260

Conversions

Conversions Part 2

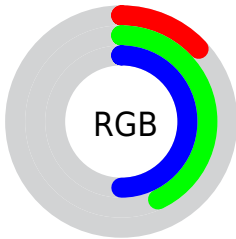
Format	Color
R_{YB}	33, 76, 128
Decimal	2190976
CIE _{Lab}	42.81, -16.67, -16.67
CIE _{LCh}	43, 23.581, 224.998
Yxy	13.0337, 0.2218, 0.2862
Android (android.graphics.Color)	4280381056 (0xFF216E80)
YUV	89.0290, 19.2127, -49.1374
Hunter-Lab	36.1022, -13.2371, -11.5253

Details

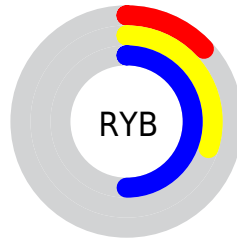
The Yxy color **13.0337, 0.2218, 0.2862** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.0734, 0.5261, 0.3590**, and the grayscale version is **9.9662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4522, 0.2432, 0.2980**, and **4.0098, 0.2069, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **12.3446, 0.2153, 0.2796**, and if you desaturate by 10%, it is **13.8185, 0.2301, 0.2928**.

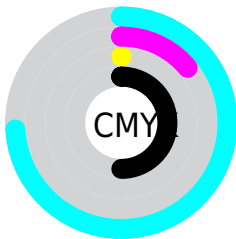
Distribution



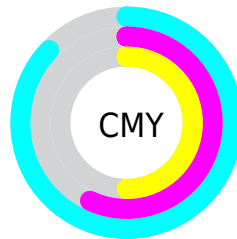
- Red (13%)
- Green (43%)
- Blue (50%)



- Red (13%)
- Yellow (30%)
- Blue (50%)



- Cyan (74%)
- Magenta (14%)
- Yellow (0%)
- Black (50%)




- Cyan (87%)
- Magenta (57%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0337, 0.2218, 0.2862 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 13.0337, 0.2218, 0.2862 by changing the saturation by 10% instead.


 13.0337, 0.2218,
0.2862


 13.0337, 0.2218,
0.2862


 211.1335, 0.2750,
0.3131


 7.4518, 0.2053,
0.2767


 31.3643, 0.2434,
0.2978


 3.7462, 0.1818,
0.2621

 44.8818, 0.2508,
0.3015

 1.5326, 0.1465,
0.2375

 61.8132, 0.2567,
0.3045

 0.3115, 0.0000,
0.1619

 82.5430, 0.2617,
0.3069

 0.0000, 0.0000,
0.0000

 107.4555, 0.2658,
0.3089

 136.9352, 0.2693,

0.3105

171.3664, 0.2724,
0.3119

■ 13.0337, 0.2218,
0.2862

■ 13.0337, 0.2218,
0.2862

■ 12.3446, 0.2153,
0.2796

■ 13.8185, 0.2301,
0.2928

■ 11.7388, 0.2106,
0.2730

■ 14.7060, 0.2400,
0.2993

■ 11.4041, 0.2081,
0.2691

■ 15.7037, 0.2514,
0.3055

■ 16.8184, 0.2641,
0.3115

■ 18.0559, 0.2777,
0.3171

■ 19.4218, 0.2919,
0.3223

■ 20.9212, 0.3066,
0.3271

■ 22.5591, 0.3214,
0.3315

■ 24.3401, 0.3361,
0.3354

Harmonies

Analogous

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



13.0337, 0.2378, 0.3318



13.0337, 0.2218, 0.2862



13.0337, 0.2275, 0.2575

Triad

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



13.0337, 0.2218, 0.2862



13.0337, 0.3488, 0.2835



13.0337, 0.3695, 0.4182

Complementary

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



13.0337, 0.2218, 0.2862



7.0734, 0.5261, 0.3590

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.



13.0337, 0.4037, 0.3955



13.0337, 0.2218, 0.2862



13.0337, 0.3926, 0.3191

Square

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



13.0337, 0.2218, 0.2862



13.0337, 0.2973, 0.2584



13.0337, 0.4130, 0.3590



13.0337, 0.3216, 0.4149

Rectangle

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



13.0337, 0.2218, 0.2862



13.0337, 0.2429, 0.2495



13.0337, 0.4130, 0.3590



13.0337, 0.3831, 0.4130

Sweetspot

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



13.0342, 0.2218, 0.2862



32.1728, 0.2800, 0.3180



15.9977, 0.2918, 0.5225



7.4128, 0.2769, 0.3168



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.0342, 0.2218, 0.2862



20.9866, 0.2119, 0.2750



5.4523, 0.1918, 0.1657



4.7526, 0.2993, 0.3248



11.3094, 0.2081, 0.2691



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.8064, 0.3556, 0.1974



10.3486, 0.3675, 0.1858



13.4235, 0.4471, 0.4432



4.3989, 0.3163, 0.3117



5.5362, 0.3737, 0.1832



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.0337, 0.2218, 0.2862 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 13.0337, 0.2218, 0.2862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

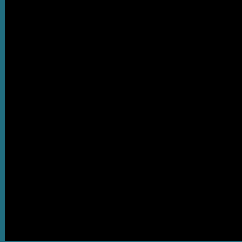
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.0337, 0.2218, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 13.0337, 0.2218, 0.2862.

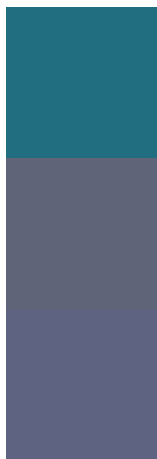


This preview shows how white text looks on a background with the Yxy color 13.0337, 0.2218, 0.2862.

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

13.0337, 0.2218, 0.2862

Protanopia

12.9816, 0.2806, 0.2839

Deuteranopia

12.9151, 0.2678, 0.2639



Tritanopia

12.9580, 0.2255, 0.3067

Trichromacy



Original Color

13.0337, 0.2218, 0.2862

Protanomaly

12.7723, 0.2517, 0.2835

Deuteranomaly

12.6632, 0.2456, 0.2708

Tritanomaly

13.0602, 0.2241, 0.2997

Monochromacy



Original Color

13.0337, 0.2218, 0.2862

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.7939, 0.2668, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0337, 0.2218, 0.2862 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(33, 110, 128)` looks like.

```
.text, #text, p{  
  color:rgb(33, 110, 128)  
}
```

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(33, 110, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 110, 128) }
```

Border

The CSS property to change the border of an element to Yxy 13.0337, 0.2218, 0.2862 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(33, 110, 128) }
```

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

```
.border{ border-color:rgb(33, 110, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 110, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 110, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 110, 128);  
box-shadow:4px 4px 4px 4px rgb(33, 110,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0337, 0.2218, 0.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 110, 128) }
```

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

```
.background{ background-color: rgb(33, 110,  
128) }
```

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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