

Converting Colors

$Y_{xy}(13.8382, 0.2330, 0.3007)$

Have a look what the booklet for
Yxy(13.8382, 0.2330, 0.3007)
contains.

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Color

Yxy(13.8718, 0.2327, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	2E717D
RGB	46, 113, 125
RGB Percent	18%, 44%, 49%
CMY	0.8198, 0.5568, 0.5098
CMYK	0.63, 0.10, 0.00, 0.51
HSL	189°, 46%, 34%
HSV	189°, 63%, 49%
XYZ	10.7313, 13.8718, 21.5133
YIQ	94.3350, -43.7840, -10.4720

Conversions

Conversions Part 2

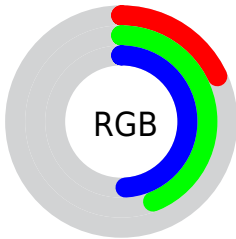
Format	Color
R _Y B	46, 82, 125
Decimal	3043709
CIE Lab	44.05, -17.17, -12.96
CIE LCh	44, 21.508, 217.039
Yxy	13.8718, 0.2327, 0.3008
Android (android.graphics.Color)	4281233789 (0xFF2E717D)
YUV	94.3350, 15.1178, -42.3898
Hunter-Lab	37.2449, -13.7477, -8.1755




Details

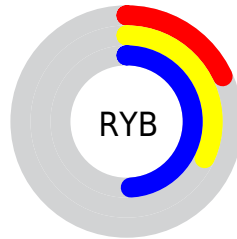
The Yxy color **13.8718, 0.2327, 0.3008** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.5757, 0.4859, 0.3520**, and the grayscale version is **11.2448, 0.3127, 0.3290**.




A 20% lighter version of the original color is **32.8913, 0.2515, 0.3080**, and **4.3024, 0.2130, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **13.2049, 0.2248, 0.2956**, and if you desaturate by 10%, it is **14.6331, 0.2423, 0.3059**.

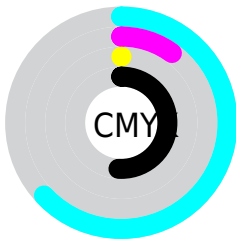
Distribution







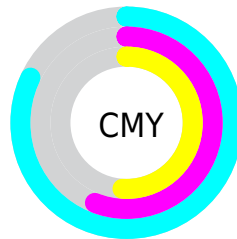
-  Red (18%)
-  Green (44%)
-  Blue (49%)






-  Red (18%)
-  Yellow (32%)
-  Blue (49%)



-  Cyan (63%)
-  Magenta (10%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (82%)
-  Magenta (56%)
-  Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8718, 0.2327, 0.3008 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 13.8718, 0.2327, 0.3008 by changing the saturation by 10% instead.


 13.8718, 0.2327,
0.3008


 13.8718, 0.2327,
0.3008


216.4318, 0.2794,
0.3187


 8.0316, 0.2181,
0.2943


 32.8614, 0.2517,
0.3086


 4.1151, 0.1973,
0.2842

 46.7795, 0.2581,
0.3111

 1.7382, 0.1656,
0.2669

 64.1591, 0.2634,
0.3130

 0.4482, 0.0036,
0.2340

 85.3844, 0.2677,
0.3146

 0.0000, 0.0000,
0.0000

 110.8400, 0.2714,
0.3159

 140.9101, 0.2745,

0.3170

175.9793, 0.2771,
0.3179

■ 13.8718, 0.2327,
0.3008

■ 13.8718, 0.2327,
0.3008

■ 13.2049, 0.2248,
0.2956

■ 14.6331, 0.2423,
0.3059

■ 12.6232, 0.2186,
0.2904

■ 15.4940, 0.2534,
0.3108

■ 12.1177, 0.2142,
0.2853

■ 16.4611, 0.2658,
0.3155

■ 11.7973, 0.2116,
0.2818

■ 17.5398, 0.2792,
0.3199

■ 18.7354, 0.2933,
0.3240

■ 20.0527, 0.3079,
0.3278

■ 21.4961, 0.3227,
0.3313

■ 23.0699, 0.3376,
0.3344

■ 24.7782, 0.3522,
0.3372

Harmonies

Analogous

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



13.8718, 0.2524, 0.3438



13.8718, 0.2327, 0.3008



13.8718, 0.2326, 0.2701

Triad

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



13.8718, 0.2327, 0.3008



13.8718, 0.3330, 0.2808



13.8718, 0.3737, 0.4054

Complementary

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



13.8718, 0.2327, 0.3008



7.5757, 0.4859, 0.3520

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.



13.8718, 0.3989, 0.3814



13.8718, 0.2327, 0.3008



13.8718, 0.3752, 0.3112

Square

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



13.8718, 0.2327, 0.3008



13.8718, 0.2876, 0.2614



13.8718, 0.3999, 0.3470



13.8718, 0.3330, 0.4087

Rectangle

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



13.8718, 0.2327, 0.3008



13.8718, 0.2434, 0.2594



13.8718, 0.3999, 0.3470



13.8718, 0.3844, 0.3992

Sweetspot

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



13.8723, 0.2327, 0.3008



32.1963, 0.2845, 0.3215



15.5498, 0.2948, 0.4975



7.2109, 0.2812, 0.3205



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.



13.8723, 0.2327, 0.3008



23.1509, 0.2217, 0.2933



6.9058, 0.2101, 0.2001



4.7793, 0.2993, 0.3256



12.3051, 0.2116, 0.2817



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.5016, 0.3416, 0.2065



11.2953, 0.3499, 0.1887



13.1668, 0.4297, 0.4269



4.4016, 0.3158, 0.3109



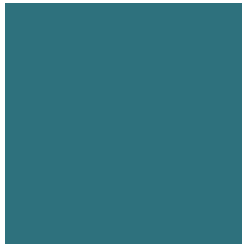
5.6367, 0.3619, 0.1767



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.8718, 0.2327, 0.3008 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 13.8718, 0.2327, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

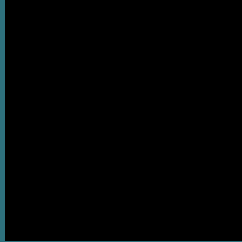
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8718, 0.2327, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 13.8718, 0.2327, 0.3008.

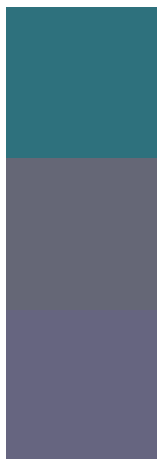


This preview shows how white text looks on a background with the Yxy color 13.8718, 0.2327, 0.3008.

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

13.8718, 0.2327, 0.3008

Protanopia

13.7752, 0.2910, 0.2972

Deuteranopia

13.6907, 0.2803, 0.2736



Tritanopia

13.7982, 0.2337, 0.3052

Trichromacy



Original Color

13.8718, 0.2327, 0.3008

Protanomaly

13.6452, 0.2641, 0.2977

Deuteranomaly

13.4293, 0.2586, 0.2809

Tritanomaly

13.8234, 0.2329, 0.3030

Monochromacy



Original Color

13.8718, 0.2327, 0.3008

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.9051, 0.2752, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8718, 0.2327, 0.3008 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(46, 113, 125)` looks like.

```
.text, #text, p{  
    color:rgb(46, 113, 125)  
}
```

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(46, 113, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 113, 125) }
```

Border

The CSS property to change the border of an element to Yxy 13.8718, 0.2327, 0.3008 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(46, 113, 125) }
```

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

```
.border{ border-color:rgb(46, 113, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 113, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 113, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 113, 125);  
box-shadow:4px 4px 4px 4px rgb(46, 113,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8718, 0.2327, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 113, 125) }
```

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

```
.background{ background-color: rgb(46, 113,  
125) }
```

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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