

Converting Colors

$Y_{xy}(23.9729, 0.2767, 0.3723)$

Have a look what the booklet for
Yxy(23.9729, 0.2767, 0.3723)
contains.

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Color

Yxy(24.0392, 0.2760, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	57927C
RGB	87, 146, 124
RGB Percent	34%, 57%, 49%
CMY	0.6590, 0.4274, 0.5137
CMYK	0.40, 0.00, 0.15, 0.43
HSL	158°, 25%, 46%
HSV	158°, 40%, 57%
XYZ	17.8451, 24.0392, 22.7719
YIQ	125.8510, -28.1020, -19.3500

Conversions

Conversions Part 2

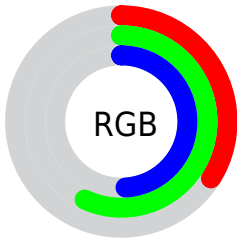
Format	Color
RYB	87, 123, 146
Decimal	5739132
CIELab	56.13, -24.59, 5.64
CIELCh	56, 25.225, 167.078
Yxy	24.0392, 0.2760, 0.3718
Android (android.graphics.Color)	4283929212 (0xFF57927C)
YUV	125.8510, -0.9125, -34.0723
Hunter-Lab	49.0298, -20.8344, 6.7835

Details

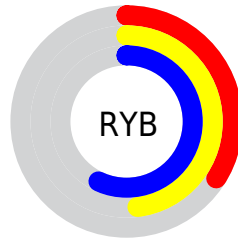
The Yxy color **24.0392, 0.2760, 0.3718** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.0249, 0.3734, 0.2906**, and the grayscale version is **20.8188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9718, 0.2835, 0.3611**, and **9.0675, 0.2620, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **23.2736, 0.2691, 0.3846**, and if you desaturate by 10%, it is **24.9565, 0.2840, 0.3598**.

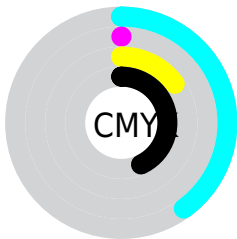
Distribution



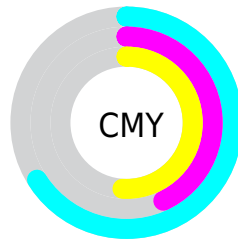
- Red (34%)
- Green (57%)
- Blue (49%)



- Red (34%)
- Yellow (48%)
- Blue (57%)



- Cyan (40%)
- Magenta (0%)
- Yellow (15%)
- Black (43%)




- Cyan (66%)
- Magenta (43%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0392, 0.2760, 0.3718 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 24.0392, 0.2760, 0.3718 by changing the saturation by 10% instead.


 24.0392, 0.2760,
0.3718


 24.0392, 0.2760,
0.3718


273.0186, 0.2966,
0.3475


 15.3627, 0.2699,
0.3791


 50.0942, 0.2841,
0.3621

 9.0743, 0.2615,
0.3894


 68.2414, 0.2870,
0.3588

 4.7897, 0.2488,
0.4051

 90.3144, 0.2893,
0.3560

 2.1244, 0.2281,
0.4315

 116.6974, 0.2913,
0.3537

 0.6783, 0.0417,
0.6357

 147.7750, 0.2929,
0.3518

 0.0000, 0.0000,
0.0000

183.9314, 0.2943,

0.3501

225.5512, 0.2955,
0.3487

■ 24.0392, 0.2760,
0.3718

■ 24.0392, 0.2760,
0.3718

■ 23.2736, 0.2691,
0.3846

■ 24.9565, 0.2840,
0.3598

■ 22.6479, 0.2637,
0.3981

■ 26.0306, 0.2929,
0.3487

■ 22.1535, 0.2599,
0.4120


■ 27.2699, 0.3024,
0.3385

■ 21.7795, 0.2580,
0.4261


■ 28.6812, 0.3123,
0.3294

■ 21.5130, 0.2580,
0.4402

■ 30.2713, 0.3223,
0.3212

 21.3263, 0.2593,
0.4534

 32.0463, 0.3322,
0.3139

 34.0120, 0.3420,
0.3074

 36.1742, 0.3515,
0.3017

 38.5382, 0.3607,
0.2968

Harmonies

Analogous

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



24.0392, 0.3179, 0.4019



24.0392, 0.2760, 0.3718



24.0392, 0.2453, 0.3288

Triad

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



24.0392, 0.2760, 0.3718



24.0392, 0.2634, 0.2582



24.0392, 0.4005, 0.3585

Complementary

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



24.0392, 0.2760, 0.3718



14.0249, 0.3734, 0.2906

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.



24.0392, 0.3843, 0.3231



24.0392, 0.2760, 0.3718



24.0392, 0.3026, 0.2677

Square

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



24.0392, 0.2760, 0.3718



24.0392, 0.2386, 0.2652



24.0392, 0.3474, 0.2909



24.0392, 0.3910, 0.3898

Rectangle

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



24.0392, 0.2760, 0.3718



24.0392, 0.2344, 0.3015



24.0392, 0.3474, 0.2909



24.0392, 0.3979, 0.3468

Sweetspot

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



24.0402, 0.2760, 0.3718



47.6854, 0.3007, 0.3403



24.5369, 0.3300, 0.4406



10.5519, 0.2996, 0.3414



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.0402, 0.2760, 0.3718



41.1076, 0.2694, 0.3840



22.5997, 0.2567, 0.3158



6.5260, 0.3036, 0.3374



18.7694, 0.2591, 0.4527



0.2355, 0.2418, 0.3906

Inverse Universe

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



14.0249, 0.3734, 0.2906



20.8196, 0.3953, 0.2819



14.7778, 0.4058, 0.3415



5.8490, 0.3227, 0.3208



5.6193, 0.5430, 0.2765



0.0741, 0.4390, 0.2192

Previews

White Background



This preview shows how the Yxy color 24.0392, 0.2760, 0.3718 looks on a white 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

Black Background



This preview shows how the Yxy color 24.0392, 0.2760, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

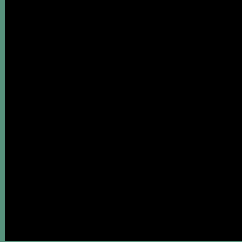
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0392, 0.2760, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 24.0392, 0.2760, 0.3718.



This preview shows how white text looks on a background with the Yxy color 24.0392, 0.2760, 0.3718.

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

24.0392, 0.2760, 0.3718

Protanopia

23.9100, 0.3380, 0.3584

Deuteranopia

23.6486, 0.3376, 0.3307



Tritanopia

24.0256, 0.2576, 0.3089

Trichromacy



Original Color

24.0392, 0.2760, 0.3718

Protanomaly

23.5980, 0.3123, 0.3619

Deuteranomaly

23.2959, 0.3109, 0.3433

Tritanomaly

23.8221, 0.2641, 0.3307

Monochromacy



Original Color

24.0392, 0.2760, 0.3718

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.7005, 0.2976, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0392, 0.2760, 0.3718 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(87, 146, 124)` looks like.

```
.text, #text, p{  
  color:rgb(87, 146, 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(87, 146, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 146, 124) }
```

Border

The CSS property to change the border of an element to Yxy 24.0392, 0.2760, 0.3718 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(87, 146, 124) }
```

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

```
.border{ border-color:rgb(87, 146, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 146, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 146, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 146, 124);  
box-shadow:4px 4px 4px 4px rgb(87, 146,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0392, 0.2760, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 146, 124) }
```

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

```
.background{ background-color: rgb(87, 146,  
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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