

Converting Colors

$Y_{xy}(12.6959, 0.2631, 0.2817)$

Have a look what the booklet for
Yxy(12.6959, 0.2631, 0.2817)
contains.

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Color

Yxy(12.7718, 0.2629, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	53667B
RGB	83, 102, 123
RGB Percent	33%, 40%, 48%
CMY	0.6745, 0.6000, 0.5177
CMYK	0.33, 0.17, 0.00, 0.52
HSL	212°, 19%, 40%
HSV	212°, 33%, 48%
XYZ	11.8941, 12.7718, 20.5760
YIQ	98.7130, -18.0650, 2.5030

Conversions

Conversions Part 2

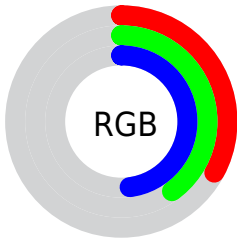
Format	Color
R _Y B	83, 96, 123
Decimal	5465723
CIE Lab	42.42, -1.71, -14.05
CIE LCh	42, 14.154, 263.076
Yxy	12.7718, 0.2629, 0.2823
Android (android.graphics.Color)	4283655803 (0xFF53667B)
YUV	98.7130, 11.9735, -13.7803
Hunter-Lab	35.7377, -3.1330, -9.1200

Details

The Yxy color **12.7718, 0.2629, 0.2823** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7372, 0.3700, 0.3715**, and the grayscale version is **12.3749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9854, 0.2753, 0.2935**, and **3.6019, 0.2390, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **11.0411, 0.2471, 0.2650**, and if you desaturate by 10%, it is **14.7017, 0.2787, 0.2983**.

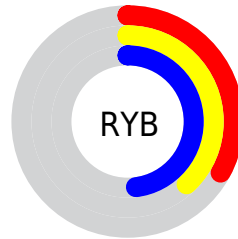
Distribution



Red (33%)

Green (40%)

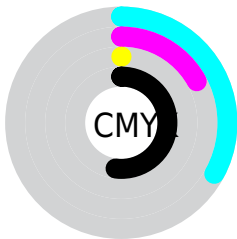
Blue (48%)



Red (33%)

Yellow (38%)

Blue (48%)

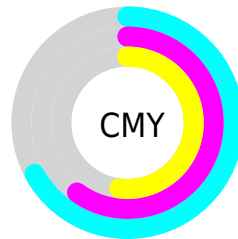


Cyan (33%)

Magenta (17%)

Yellow (0%)

Black (52%)



Cyan (67%)

Magenta (60%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7718, 0.2629, 0.2823 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 12.7718, 0.2629, 0.2823 by changing the saturation by 10% instead.

■ 12.7718, 0.2629,
0.2823

■ 12.7718, 0.2629,
0.2823

■ 209.4499, 0.2927,
0.3105

■ 7.2716, 0.2531,
0.2729

■ 30.8932, 0.2753,
0.2940

■ 3.6325, 0.2387,
0.2590

■ 44.2832, 0.2794,
0.2979

■ 1.4702, 0.2154,
0.2363

■ 61.0719, 0.2827,
0.3011

■ 0.2676, 0.1189,
0.1496

■ 81.6437, 0.2855,
0.3036

■ 0.0000, 0.0000,
0.0000

■ 106.3830, 0.2877,
0.3058

135.6742, 0.2896,

0.3076

169.9017, 0.2913,
0.3091

■ 12.7718, 0.2629,
0.2823

■ 12.7718, 0.2629,
0.2823

■ 11.0411, 0.2471,
0.2650

■ 14.7017, 0.2787,
0.2983

■ 9.5007, 0.2316,
0.2466

■ 16.8362, 0.2942,
0.3128

■ 8.1429, 0.2170,
0.2274

■ 19.1826, 0.3091,
0.3259

■ 6.9589, 0.2037,
0.2077

■ 21.7472, 0.3233,
0.3377

■ 5.9392, 0.1922,
0.1881

■ 24.5360, 0.3367,
0.3481

■ 5.0724, 0.1828,
0.1692

■ 27.5548, 0.3492,
0.3573

■ 4.4982, 0.1765,
0.1554

■ 30.8090, 0.3609,
0.3654

■ 34.3042, 0.3717,
0.3725

■ 38.0453, 0.3817,
0.3788

Harmonies

Analogous

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



12.7718, 0.2555, 0.2980



12.7718, 0.2629, 0.2823



12.7718, 0.2832, 0.2791

Triad

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



12.7718, 0.2629, 0.2823



12.7718, 0.3656, 0.3307



12.7718, 0.3108, 0.3754

Complementary

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



12.7718, 0.2629, 0.2823



14.7372, 0.3700, 0.3715

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.



12.7718, 0.3409, 0.3835



12.7718, 0.2629, 0.2823



12.7718, 0.3735, 0.3557

Square

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



12.7718, 0.2629, 0.2823



12.7718, 0.3427, 0.3064



12.7718, 0.3641, 0.3754



12.7718, 0.2823, 0.3528

Rectangle

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



12.7718, 0.2629, 0.2823



12.7718, 0.3020, 0.2838



12.7718, 0.3641, 0.3754



12.7718, 0.3211, 0.3800

Sweetspot

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



12.7723, 0.2629, 0.2823



31.0693, 0.2976, 0.3159



16.9974, 0.2872, 0.3717



7.2058, 0.2958, 0.3143



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.



12.7723, 0.2629, 0.2823



20.5313, 0.2511, 0.2696



9.4878, 0.2586, 0.2383



4.1783, 0.2994, 0.3175



4.6427, 0.1764, 0.1551



20.4650, 0.1740, 0.1462

Inverse Universe

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



11.3580, 0.3497, 0.2908



17.8275, 0.3615, 0.2817



18.9516, 0.3585, 0.4064



4.0438, 0.3210, 0.3189



4.6755, 0.4993, 0.2524



22.1331, 0.5108, 0.2588

Previews

White Background



This preview shows how the Yxy color 12.7718, 0.2629, 0.2823 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 12.7718, 0.2629, 0.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

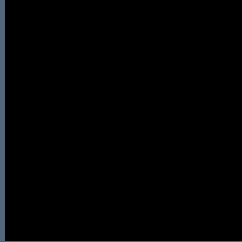
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

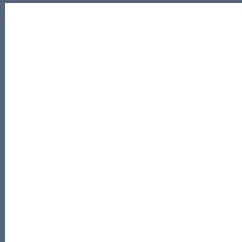
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.7718, 0.2629, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 12.7718, 0.2629, 0.2823.

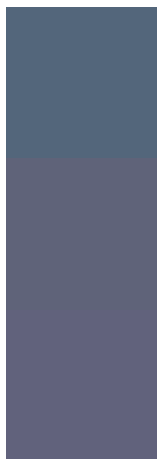


This preview shows how white text looks on a background with the Yxy color 12.7718, 0.2629, 0.2823.

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

12.7718, 0.2629, 0.2823

Protanopia

12.7371, 0.2792, 0.2815

Deuteranopia

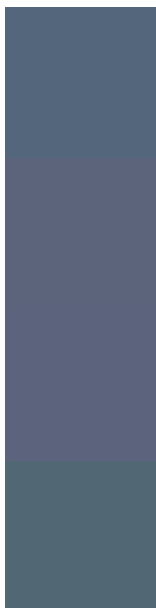
12.7320, 0.2781, 0.2737



Tritanopia

12.8198, 0.2729, 0.3104

Trichromacy



Original Color

12.7718, 0.2629, 0.2823

Protanomaly

12.7436, 0.2731, 0.2810

Deuteranomaly

12.6542, 0.2719, 0.2750

Tritanomaly

12.7553, 0.2694, 0.2993

Monochromacy



Original Color

12.7718, 0.2629, 0.2823

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5242, 0.2924, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7718, 0.2629, 0.2823 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(83, 102, 123)` looks like.

```
.text, #text, p{  
    color:rgb(83, 102, 123)  
}
```

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(83, 102, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 102, 123) }
```

Border

The CSS property to change the border of an element to Yxy 12.7718, 0.2629, 0.2823 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(83, 102, 123) }
```

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

```
.border{ border-color:rgb(83, 102, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 102, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 102, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 102, 123);  
box-shadow:4px 4px 4px 4px rgb(83, 102,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7718, 0.2629, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 102, 123) }
```

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

```
.background{ background-color: rgb(83, 102,  
123) }
```

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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