

Converting Colors

$Y_{xy}(24.7842, 0.2547, 0.2782)$

Have a look what the booklet for
Yxy(24.7842, 0.2547, 0.2782)
contains.

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Color

Yxy(24.7842, 0.2547, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	6B8CAA
RGB	107, 140, 170
RGB Percent	42%, 55%, 67%
CMY	0.5806, 0.4509, 0.3334
CMYK	0.37, 0.18, 0.00, 0.33
HSL	209°, 27%, 54%
HSV	209°, 37%, 67%
XYZ	22.6906, 24.7842, 41.6129
YIQ	133.5530, -29.2980, 2.3340

Conversions

Conversions Part 2

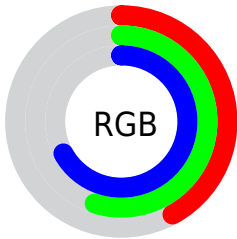
Format	Color
R _Y B	107, 129, 170
Decimal	7048362
CIE Lab	56.86, -3.90, -19.51
CIE LCh	57, 19.896, 258.705
Yxy	24.7842, 0.2547, 0.2782
Android (android.graphics.Color)	4285238442 (0xFF6B8CAA)
YUV	133.5530, 17.9684, -23.2870
Hunter-Lab	49.7837, -5.7641, -14.7103

Details

The Yxy color $24.7842, 0.2547, 0.2782$ is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be $27.4714, 0.3839, 0.3746$, and the grayscale version is $23.6050, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.0498, 0.2667, 0.2887$, and $9.4611, 0.2342, 0.2590$ is the 20% darker color. If you saturate the color by 10%, you get $21.5579, 0.2391, 0.2616$, and if you desaturate by 10%, it is $28.3930, 0.2706, 0.2937$.

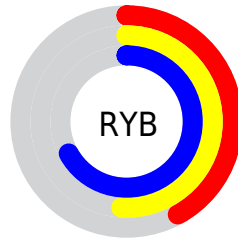
Distribution



Red (42%)

Green (55%)

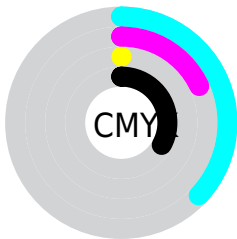
Blue (67%)



Red (42%)

Yellow (51%)

Blue (67%)

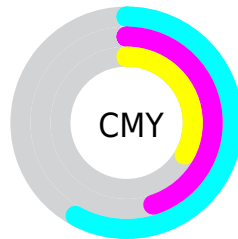


Cyan (37%)

Magenta (18%)

Yellow (0%)

Black (33%)



Cyan (58%)

Magenta (45%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7842, 0.2547, 0.2782 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 24.7842, 0.2547, 0.2782 by changing the saturation by 10% instead.

■ 24.7842, 0.2547,
0.2782

■ 24.7842, 0.2547,
0.2782

■ 276.7615, 0.2861,
0.3061

■ 15.9163, 0.2460,
0.2703

■ 51.3069, 0.2667,
0.2890

■ 9.4650, 0.2344,
0.2597

■ 69.7306, 0.2711,
0.2928

■ 5.0457, 0.2180,
0.2445

■ 92.1083, 0.2747,
0.2960

■ 2.2741, 0.1934,
0.2213

■ 118.8245, 0.2777,
0.2987

■ 0.7599, 0.1503,
0.1821

■ 150.2635, 0.2803,
0.3010

■ 0.0000, 0.0000,
0.0000

186.8097, 0.2825,

0.3029

228.8476, 0.2844,
0.3046

■ 24.7842, 0.2547,
0.2782

■ 24.7842, 0.2547,
0.2782

■ 21.5579, 0.2391,
0.2616

■ 28.3930, 0.2706,
0.2937

■ 18.6952, 0.2243,
0.2440

■ 32.3962, 0.2865,
0.3079

■ 16.1799, 0.2108,
0.2259

■ 36.8085, 0.3020,
0.3207

■ 13.9928, 0.1990,
0.2075

■ 41.6432, 0.3170,
0.3322

■ 12.1122, 0.1893,
0.1894

■ 46.9127, 0.3313,
0.3425

■ 10.5073, 0.1818,
0.1720

■ 52.6289, 0.3448,
0.3515

■ 10.0770, 0.1798,
0.1671

■ 58.8031, 0.3575,
0.3595

■ 65.4464, 0.3693,
0.3665

■ 71.6222, 0.3764,
0.3732

Harmonies

Analogous

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



24.7842, 0.2487, 0.2975



24.7842, 0.2547, 0.2782



24.7842, 0.2754, 0.2728

Triad

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



24.7842, 0.2547, 0.2782



24.7842, 0.3696, 0.3265



24.7842, 0.3155, 0.3842

Complementary

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



24.7842, 0.2547, 0.2782



27.4714, 0.3839, 0.3746

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.



24.7842, 0.3488, 0.3903



24.7842, 0.2547, 0.2782



24.7842, 0.3812, 0.3547

Square

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



24.7842, 0.2547, 0.2782



24.7842, 0.3418, 0.3001



24.7842, 0.3732, 0.3784



24.7842, 0.2826, 0.3604

Rectangle

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



24.7842, 0.2547, 0.2782



24.7842, 0.2956, 0.2768



24.7842, 0.3732, 0.3784



24.7842, 0.3270, 0.3884

Sweetspot

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



24.7852, 0.2547, 0.2782



63.4130, 0.2957, 0.3156



33.6557, 0.2856, 0.3861



13.9070, 0.2937, 0.3139



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.7852, 0.2547, 0.2782



39.8288, 0.2411, 0.2638



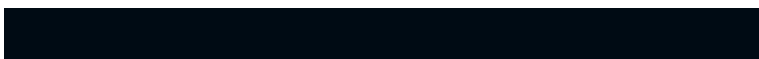
16.9698, 0.2469, 0.2231



7.9274, 0.2987, 0.3180



7.5260, 0.1803, 0.1689



0.2845, 0.1964, 0.2270

Inverse Universe

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



20.9415, 0.3543, 0.2794



32.5006, 0.3684, 0.2678



37.5694, 0.3683, 0.4166



7.6056, 0.3207, 0.3172



6.8308, 0.4820, 0.2429



0.1764, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 24.7842, 0.2547, 0.2782 looks on a white background.

Color Contrast Check

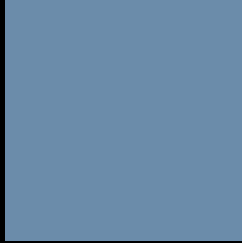
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7842, 0.2547, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

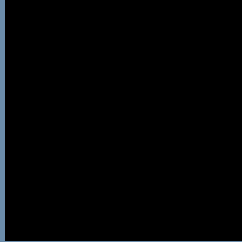
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

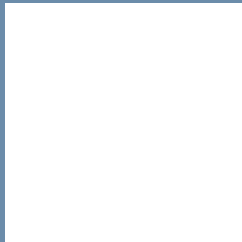
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.7842, 0.2547, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 24.7842, 0.2547, 0.2782.

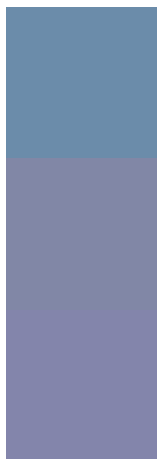


This preview shows how white text looks on a background with the Yxy color 24.7842, 0.2547, 0.2782.

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

24.7842, 0.2547, 0.2782

Protanopia

24.7482, 0.2767, 0.2784

Deuteranopia

24.5406, 0.2741, 0.2680



Tritanopia

24.8616, 0.2644, 0.3094

Trichromacy



Original Color

24.7842, 0.2547, 0.2782

Protanomaly

24.7463, 0.2686, 0.2792

Deuteranomaly

24.6862, 0.2661, 0.2716

Tritanomaly

24.8271, 0.2603, 0.2975

Monochromacy



Original Color

24.7842, 0.2547, 0.2782

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.0000, 0.2890, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7842, 0.2547, 0.2782 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(107, 140, 170)` looks like.

```
.text, #text, p{  
    color:rgb(107, 140, 170)  
}
```

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(107, 140, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 140, 170) }
```

Border

The CSS property to change the border of an element to Yxy 24.7842, 0.2547, 0.2782 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(107, 140, 170) }
```

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

```
.border{ border-color:rgb(107, 140, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 140, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 140, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 140, 170);  
box-shadow:4px 4px 4px 4px rgb(107, 140,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7842, 0.2547, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 140, 170) }
```

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

```
.background{ background-color: rgb(107,  
140, 170) }
```

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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