

Converting Colors

$Y_{xy}(24.2367, 0.2638, 0.2676)$

Have a look what the booklet for
Yxy(24.2367, 0.2638, 0.2676)
contains.

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Color

Yxy(24.3715, 0.2642, 0.2683)

Conversions

Conversions Part 1

Format	Color
Hex	7987AC
RGB	121, 135, 172
RGB Percent	47%, 53%, 67%
CMY	0.5253, 0.4706, 0.3255
CMYK	0.30, 0.22, 0.00, 0.33
HSL	224°, 23%, 57%
HSV	224°, 30%, 67%
XYZ	23.9991, 24.3715, 42.4662
YIQ	135.0320, -20.2210, 8.5390

Conversions

Conversions Part 2

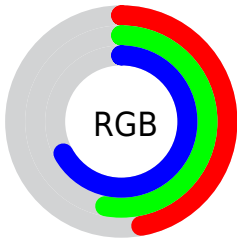
Format	Color
R _Y B	121, 132, 172
Decimal	7964588
CIE Lab	56.46, 3.71, -21.20
CIE LCh	56, 21.519, 279.920
Yxy	24.3715, 0.2642, 0.2683
Android (android.graphics.Color)	4286154668 (0xFF7987AC)
YUV	135.0320, 18.2252, -12.3061
Hunter-Lab	49.3675, 0.3813, -16.4443

Details

The Yxy color $24.3715, 0.2642, 0.2683$ is a dark color, and the websafe version is hex $9999CC$. A complement of this color would be $34.6195, 0.3618, 0.3830$, and the grayscale version is $24.1805, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.5112, 0.2745, 0.2812$, and $9.1927, 0.2464, 0.2452$ is the 20% darker color. If you saturate the color by 10%, you get $19.9551, 0.2460, 0.2436$, and if you desaturate by 10%, it is $29.4202, 0.2817, 0.2910$.

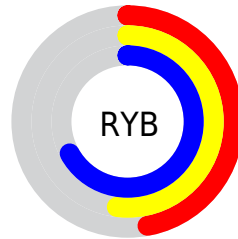
Distribution



Red (47%)

Green (53%)

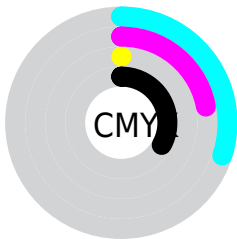
Blue (67%)



Red (47%)

Yellow (52%)

Blue (67%)

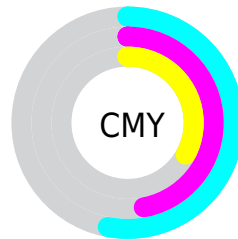


Cyan (30%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (53%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3715, 0.2642, 0.2683 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 24.3715, 0.2642, 0.2683 by changing the saturation by 10% instead.

■ 24.3715, 0.2642,
0.2683

■ 24.3715, 0.2642,
0.2683

■ 274.6933, 0.2908,
0.3011

■ 15.6094, 0.2567,
0.2593

■ 50.6358, 0.2744,
0.2808

■ 9.2482, 0.2467,
0.2472

■ 68.9067, 0.2781,
0.2854

■ 4.9034, 0.2323,
0.2302

■ 91.1161, 0.2811,
0.2891

■ 2.1907, 0.2106,
0.2048

■ 117.6484, 0.2837,
0.2923

■ 0.7149, 0.1745,
0.1620

■ 148.8878, 0.2859,
0.2950

■ 0.0000, 0.0000,
0.0000

185.2188, 0.2877,

0.2973

227.0259, 0.2894,
0.2993

■ 24.3715, 0.2642,
0.2683

■ 24.3715, 0.2642,
0.2683

■ 19.9551, 0.2460,
0.2436

■ 29.4202, 0.2817,
0.2910

■ 16.1424, 0.2277,
0.2172

■ 35.1228, 0.2981,
0.3114

■ 12.9065, 0.2099,
0.1900

■ 41.5030, 0.3133,
0.3296

■ 10.2175, 0.1934,
0.1629

■ 48.5827, 0.3272,
0.3457

■ 8.0421, 0.1792,
0.1373

■ 56.3827, 0.3398,
0.3597

■ 6.3431, 0.1680,
0.1145

■ 64.9230, 0.3511,
0.3720

■ 5.0612, 0.1599,
0.0953

■ 74.2226, 0.3614,
0.3826

■ 5.0193, 0.1596,
0.0946

■ 83.6039, 0.3679,
0.3925

■ 91.0049, 0.3642,
0.4039

Harmonies

Analogous

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



24.3715, 0.2463, 0.2784



24.3715, 0.2642, 0.2683



24.3715, 0.2955, 0.2731

Triad

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



24.3715, 0.2642, 0.2683



24.3715, 0.3858, 0.3478



24.3715, 0.2897, 0.3725

Complementary

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



24.3715, 0.2642, 0.2683



34.6195, 0.3618, 0.3830

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.



24.3715, 0.3265, 0.3934



24.3715, 0.2642, 0.2683



24.3715, 0.3832, 0.3758

Square

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



24.3715, 0.2642, 0.2683



24.3715, 0.3672, 0.3172



24.3715, 0.3610, 0.3937



24.3715, 0.2602, 0.3380

Rectangle

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



24.3715, 0.2642, 0.2683



24.3715, 0.3206, 0.2836



24.3715, 0.3610, 0.3937



24.3715, 0.3016, 0.3816

Sweetspot

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



24.3725, 0.2642, 0.2683



64.2319, 0.2988, 0.3123



36.0245, 0.2811, 0.3519



13.6234, 0.2966, 0.3096



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.



24.3725, 0.2642, 0.2683



38.4756, 0.2515, 0.2511



21.5750, 0.2727, 0.2471



8.1009, 0.2986, 0.3121



3.8162, 0.1601, 0.0964



0.1981, 0.1772, 0.1578

Inverse Universe

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



24.2038, 0.3594, 0.3082



38.4852, 0.3751, 0.3031



38.4571, 0.3457, 0.4042



8.0500, 0.3245, 0.3228



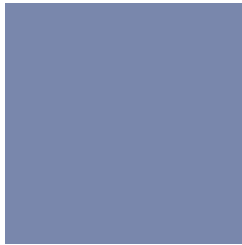
6.6883, 0.5814, 0.2976



0.1953, 0.4958, 0.2505

Previews

White Background



This preview shows how the Yxy color 24.3715, 0.2642, 0.2683 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 24.3715, 0.2642, 0.2683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

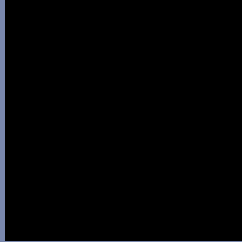
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3715, 0.2642, 0.2683

Background



This preview shows how black text looks on a background with the Yxy color 24.3715, 0.2642, 0.2683.

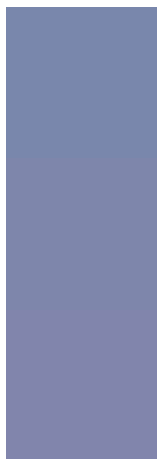


This preview shows how white text looks on a background with the Yxy color 24.3715, 0.2642, 0.2683.

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

24.3715, 0.2642, 0.2683

Protanopia

24.4261, 0.2694, 0.2688

Deuteranopia

24.4207, 0.2713, 0.2662



Tritanopia

24.3802, 0.2787, 0.3097

Trichromacy



Original Color

24.3715, 0.2642, 0.2683

Protanomaly

24.2756, 0.2676, 0.2685

Deuteranomaly

24.4644, 0.2686, 0.2674

Tritanomaly

24.4971, 0.2735, 0.2948

Monochromacy



Original Color

24.3715, 0.2642, 0.2683

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2119, 0.2943, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3715, 0.2642, 0.2683 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(121, 135, 172)` looks like.

```
.text, #text, p{  
    color:rgb(121, 135, 172)  
}
```

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(121, 135, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 135, 172) }
```

Border

The CSS property to change the border of an element to Yxy 24.3715, 0.2642, 0.2683 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(121, 135, 172) }
```

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

```
.border{ border-color:rgb(121, 135, 172) }
```

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

Here you see how a box with a 4 pixel rgb(121, 135, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 135, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 135, 172);  
box-shadow:4px 4px 4px 4px rgb(121, 135,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3715, 0.2642, 0.2683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 135, 172) }
```

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

```
.background{ background-color: rgb(121,  
135, 172) }
```

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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