

Converting Colors

$Y_{xy}(23.8076, 0.2730, 0.2748)$

Have a look what the booklet for
Yxy(23.8076, 0.2730, 0.2748)
contains.

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Color

Yxy(23.8516, 0.2734, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	7D85A5
RGB	125, 133, 165
RGB Percent	49%, 52%, 65%
CMY	0.5099, 0.4784, 0.3529
CMYK	0.24, 0.19, 0.00, 0.35
HSL	228°, 18%, 57%
HSV	228°, 24%, 65%
XYZ	23.6355, 23.8516, 38.9631
YIQ	134.2560, -15.0400, 8.2560

Conversions

Conversions Part 2

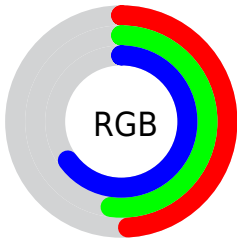
Format	Color
R _Y B	125, 132, 165
Decimal	8226213
CIE Lab	55.94, 4.34, -17.96
CIE LCh	56, 18.475, 283.586
Yxy	23.8516, 0.2734, 0.2759
Android (android.graphics.Color)	4286416293 (0xFF7D85A5)
YUV	134.2560, 15.1568, -8.1175
Hunter-Lab	48.8381, 0.9194, -13.1150

Details

The Yxy color $23.8516, 0.2734, 0.2759$ is a dark color, and the websafe version is hex `9999CC`. A complement of this color would be $33.5928, 0.3510, 0.3770$, and the grayscale version is $23.8862, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.7501, 0.2818, 0.2870$, and $9.0288, 0.2589, 0.2582$ is the 20% darker color. If you saturate the color by 10%, you get $19.3233, 0.2551, 0.2498$, and if you desaturate by 10%, it is $29.0420, 0.2906, 0.2996$.

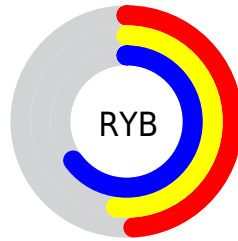
Distribution



Red (49%)

Green (52%)

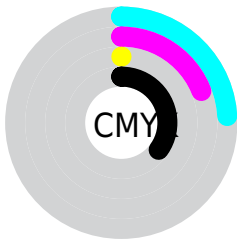
Blue (65%)



Red (49%)

Yellow (52%)

Blue (65%)

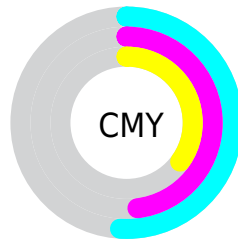


Cyan (24%)

Magenta (19%)

Yellow (0%)

Black (35%)



Cyan (51%)

Magenta (48%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8516, 0.2734, 0.2759 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 23.8516, 0.2734, 0.2759 by changing the saturation by 10% instead.

■ 23.8516, 0.2734,
0.2759

■ 23.8516, 0.2734,
0.2759

272.0694, 0.2951,
0.3048

■ 15.2236, 0.2672,
0.2679

■ 49.7879, 0.2818,
0.2870

■ 8.9764, 0.2588,
0.2570

■ 67.8650, 0.2848,
0.2910

■ 4.7258, 0.2466,
0.2416

■ 89.8606, 0.2873,
0.2943

■ 2.0873, 0.2277,
0.2182

116.1590, 0.2894,
0.2970

■ 0.6575, 0.1948,
0.1753

147.1447, 0.2911,
0.2994

■ 0.0000, 0.0000,
0.0000

183.2021, 0.2927,

0.3014

224.7155, 0.2940,
0.3032

■ 23.8516, 0.2734,
0.2759

■ 23.8516, 0.2734,
0.2759

■ 19.3233, 0.2551,
0.2498

■ 29.0420, 0.2906,
0.2996

■ 15.4273, 0.2361,
0.2218

■ 34.9170, 0.3064,
0.3207

■ 12.1356, 0.2170,
0.1925

■ 41.5016, 0.3208,
0.3394

■ 9.4172, 0.1989,
0.1632

■ 48.8186, 0.3337,
0.3558

■ 7.2380, 0.1827,
0.1353

■ 56.8898, 0.3452,
0.3700

■ 5.5600, 0.1695,
0.1105

■ 65.7361, 0.3555,
0.3824

■ 4.3399, 0.1600,
0.0903

■ 75.3775, 0.3646,
0.3931

■ 3.8091, 0.1558,
0.0809

■ 85.4530, 0.3713,
0.4028

■ 93.4438, 0.3671,
0.4144

Harmonies

Analogous

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



23.8516, 0.2560, 0.2834



23.8516, 0.2734, 0.2759



23.8516, 0.3018, 0.2814

Triad

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



23.8516, 0.2734, 0.2759



23.8516, 0.3765, 0.3490



23.8516, 0.2893, 0.3632

Complementary

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



23.8516, 0.2734, 0.2759



33.5928, 0.3510, 0.3770

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.



23.8516, 0.3210, 0.3830



23.8516, 0.2734, 0.2759



23.8516, 0.3722, 0.3725

Square

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



23.8516, 0.2734, 0.2759



23.8516, 0.3626, 0.3222



23.8516, 0.3515, 0.3858



23.8516, 0.2647, 0.3331

Rectangle

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



23.8516, 0.2734, 0.2759



23.8516, 0.3238, 0.2915



23.8516, 0.3515, 0.3858



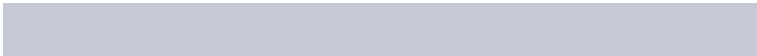
23.8516, 0.2994, 0.3714

Sweetspot

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



23.8526, 0.2734, 0.2759



59.3758, 0.3020, 0.3149



33.6869, 0.2844, 0.3428



12.8522, 0.3012, 0.3138



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



23.8526, 0.2734, 0.2759



38.2904, 0.2639, 0.2624



22.6414, 0.2840, 0.2643



7.0792, 0.2987, 0.3105



2.9404, 0.1562, 0.0823



0.1208, 0.1729, 0.1423

Inverse Universe

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



24.3574, 0.3522, 0.3167



39.5090, 0.3637, 0.3139



35.2346, 0.3371, 0.3904



7.1081, 0.3255, 0.3245



6.1410, 0.6033, 0.3097



0.1350, 0.5160, 0.2616

Previews

White Background



This preview shows how the Yxy color 23.8516, 0.2734, 0.2759 looks on a white background.

Color Contrast Check

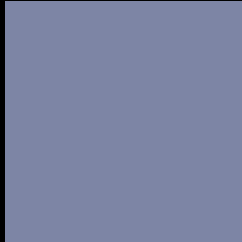
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8516, 0.2734, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

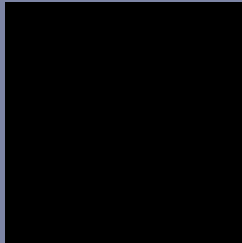
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

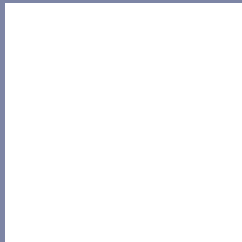
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.8516, 0.2734, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 23.8516, 0.2734, 0.2759.



This preview shows how white text looks on a background with the Yxy color 23.8516, 0.2734, 0.2759.

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

23.8516, 0.2734, 0.2759

Protanopia

23.9273, 0.2744, 0.2761

Deuteranopia

23.7745, 0.2791, 0.2734



Tritanopia

23.7799, 0.2860, 0.3097

Trichromacy



Original Color

23.8516, 0.2734, 0.2759

Protanomaly

23.9273, 0.2744, 0.2761

Deuteranomaly

23.8863, 0.2772, 0.2748

Tritanomaly

23.7986, 0.2805, 0.2964

Monochromacy



Original Color

23.8516, 0.2734, 0.2759

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.9198, 0.2982, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8516, 0.2734, 0.2759 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(125, 133, 165)` looks like.

```
.text, #text, p{  
    color:rgb(125, 133, 165)  
}
```

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(125, 133, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 133, 165) }
```

Border

The CSS property to change the border of an element to Yxy 23.8516, 0.2734, 0.2759 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(125, 133, 165) }
```

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

```
.border{ border-color:rgb(125, 133, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 133, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 133, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 133, 165);  
box-shadow:4px 4px 4px 4px rgb(125, 133,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8516, 0.2734, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 133, 165) }
```

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

```
.background{ background-color: rgb(125,  
133, 165) }
```

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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