

Converting Colors

$Y_{xy}(23.4630, 0.2753, 0.2835)$

Have a look what the booklet for
Yxy(23.4630, 0.2753, 0.2835)
contains.

Yxy(23.4507, 0.2749, 0.2832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4507, 0.2749, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	7A85A0
RGB	122, 133, 160
RGB Percent	48%, 52%, 63%
CMY	0.5214, 0.4785, 0.3725
CMYK	0.24, 0.17, 0.00, 0.37
HSL	223°, 17%, 55%
HSV	223°, 24%, 63%
XYZ	22.7634, 23.4507, 36.5920
YIQ	132.7890, -15.2230, 6.0650

Conversions

Conversions Part 2

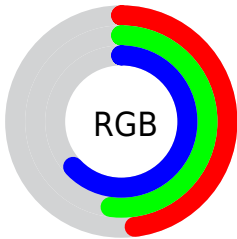
Format	Color
R_{YB}	122, 131, 160
Decimal	8029600
CIE Lab	55.53, 2.17, -15.72
CIE LCh	56, 15.866, 277.866
Yxy	23.4507, 0.2749, 0.2832
Android (android.graphics.Color)	4286219680 (0xFF7A85A0)
YUV	132.7890, 13.4150, -9.4620
Hunter-Lab	48.4259, -0.8385, -10.9031

Details

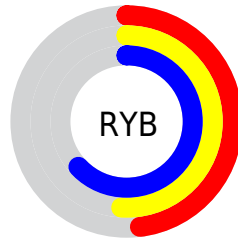
The Yxy color **23.4507, 0.2749, 0.2832** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.3956, 0.3511, 0.3709**, and the grayscale version is **23.3318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1381, 0.2829, 0.2926**, and **8.8011, 0.2608, 0.2684** is the 20% darker color. If you saturate the color by 10%, you get **19.4274, 0.2573, 0.2603**, and if you desaturate by 10%, it is **28.0062, 0.2916, 0.3040**.

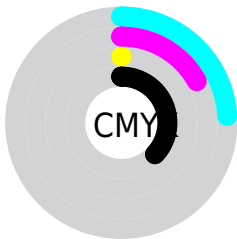
Distribution



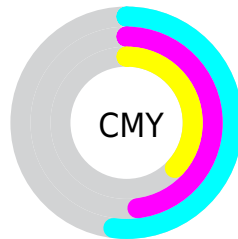
- Red (48%)
- Green (52%)
- Blue (63%)



- Red (48%)
- Yellow (51%)
- Blue (63%)



- Cyan (24%)
- Magenta (17%)
- Yellow (0%)
- Black (37%)



- Cyan (52%)
- Magenta (48%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4507, 0.2749, 0.2832 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 23.4507, 0.2749, 0.2832 by changing the saturation by 10% instead.

■ 23.4507, 0.2749,
0.2832

■ 23.4507, 0.2749,
0.2832

270.0315, 0.2958,
0.3083

■ 14.9267, 0.2689,
0.2761

■ 49.1323, 0.2830,
0.2929

■ 8.7679, 0.2607,
0.2664

■ 67.0587, 0.2859,
0.2964

■ 4.5901, 0.2489,
0.2525

■ 88.8880, 0.2883,
0.2993

■ 2.0088, 0.2302,
0.2310

115.0045, 0.2903,
0.3017

■ 0.6126, 0.1951,
0.1881

145.7927, 0.2920,
0.3037

■ 0.0000, 0.0000,
0.0000

181.6371, 0.2934,

0.3055

222.9218, 0.2947,
0.3070

■ 23.4507, 0.2749,
0.2832

■ 23.4507, 0.2749,
0.2832

■ 19.4274, 0.2573,
0.2603

■ 28.0062, 0.2916,
0.3040

■ 15.9134, 0.2393,
0.2355

■ 33.1101, 0.3072,
0.3226

■ 12.8880, 0.2213,
0.2094

■ 38.7814, 0.3216,
0.3391

■ 10.3283, 0.2041,
0.1827

■ 45.0372, 0.3347,
0.3536

■ 8.2090, 0.1887,
0.1566

■ 51.8940, 0.3466,
0.3662

■ 6.5022, 0.1757,
0.1321

■ 59.3676, 0.3573,
0.3773

■ 5.1762, 0.1658,
0.1106

■ 67.4731, 0.3670,
0.3869

■ 4.5051, 0.1608,
0.0988

■ 76.2252, 0.3758,
0.3953

■ 83.4815, 0.3755,
0.4048

Harmonies

Analogous

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



23.4507, 0.2619, 0.2922



23.4507, 0.2749, 0.2832



23.4507, 0.2982, 0.2858

Triad

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



23.4507, 0.2749, 0.2832



23.4507, 0.3666, 0.3423



23.4507, 0.2975, 0.3625

Complementary

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



23.4507, 0.2749, 0.2832



30.3956, 0.3511, 0.3709

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.



23.4507, 0.3254, 0.3770



23.4507, 0.2749, 0.2832



23.4507, 0.3660, 0.3635

Square

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



23.4507, 0.2749, 0.2832



23.4507, 0.3519, 0.3189



23.4507, 0.3506, 0.3768



23.4507, 0.2745, 0.3379

Rectangle

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



23.4507, 0.2749, 0.2832



23.4507, 0.3169, 0.2934



23.4507, 0.3506, 0.3768



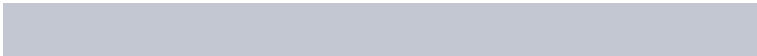
23.4507, 0.3066, 0.3688

Sweetspot

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



23.4516, 0.2749, 0.2832



56.8413, 0.3020, 0.3165



31.4457, 0.2875, 0.3478



12.3554, 0.3012, 0.3155



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.4516, 0.2749, 0.2832



38.9442, 0.2665, 0.2725



21.1832, 0.2814, 0.2654



6.7315, 0.2988, 0.3126



3.5764, 0.1612, 0.1004



0.1312, 0.1820, 0.1752

Inverse Universe

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



23.0964, 0.3469, 0.3118



38.3655, 0.3560, 0.3081



33.2698, 0.3398, 0.3882



6.6761, 0.3241, 0.3226



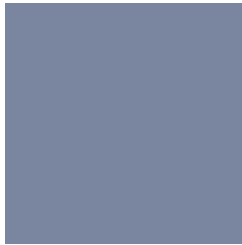
5.9832, 0.5752, 0.2943



0.1138, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 23.4507, 0.2749, 0.2832 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 23.4507, 0.2749, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

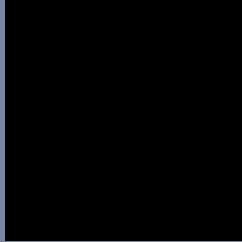
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

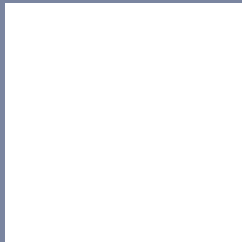
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4507, 0.2749, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 23.4507, 0.2749, 0.2832.



This preview shows how white text looks on a background with the Yxy color 23.4507, 0.2749, 0.2832.

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

23.4507, 0.2749, 0.2832

Protanopia

23.5178, 0.2806, 0.2837

Deuteranopia

23.4440, 0.2837, 0.2779



Tritanopia

23.3252, 0.2848, 0.3096

Trichromacy



Original Color

23.4507, 0.2749, 0.2832

Protanomaly

23.3657, 0.2786, 0.2835

Deuteranomaly

23.3950, 0.2797, 0.2790

Tritanomaly

23.2776, 0.2811, 0.2994

Monochromacy



Original Color

23.4507, 0.2749, 0.2832

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.4254, 0.2980, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4507, 0.2749, 0.2832 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(122, 133, 160)` looks like.

```
.text, #text, p{  
    color:rgb(122, 133, 160)  
}
```

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(122, 133, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 133, 160) }
```

Border

The CSS property to change the border of an element to Yxy 23.4507, 0.2749, 0.2832 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(122, 133, 160) }
```

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

```
.border{ border-color:rgb(122, 133, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 133, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 133, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 133, 160);  
box-shadow:4px 4px 4px 4px rgb(122, 133,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4507, 0.2749, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 133, 160) }
```

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

```
.background{ background-color: rgb(122,  
133, 160) }
```

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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