

Converting Colors

$Y_{xy}(23.4188, 0.2524, 0.2643)$

Have a look what the booklet for
Yxy(23.4188, 0.2524, 0.2643)
contains.

Yxy(23.5332, 0.2521, 0.2649)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5332, 0.2521, 0.2649)

Conversions

Conversions Part 1

Format	Color
Hex	6C87AD
RGB	108, 135, 173
RGB Percent	42%, 53%, 68%
CMY	0.5763, 0.4706, 0.3215
CMYK	0.38, 0.22, 0.00, 0.32
HSL	215°, 28%, 55%
HSV	215°, 38%, 68%
XYZ	22.3961, 23.5332, 42.9088
YIQ	131.2590, -28.2900, 6.0940

Conversions

Conversions Part 2

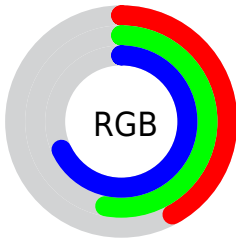
Format	Color
RYB	108, 127, 173
Decimal	7112621
CIELab	55.62, 0.13, -23.15
CIELCh	56, 23.153, 270.324
Yxy	23.5332, 0.2521, 0.2649
Android (android.graphics.Color)	4285302701 (0xFF6C87AD)
YUV	131.2590, 20.5783, -20.3981
Hunter-Lab	48.5110, -2.4863, -18.4852

Details

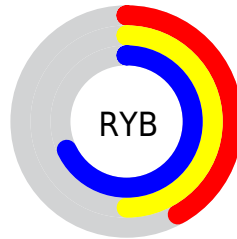
The Yxy color $23.5332, 0.2521, 0.2649$ is a dark color, and the websafe version is hex $6699CC$. A complement of this color would be $30.5499, 0.3814, 0.3853$, and the grayscale version is $22.7300, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.2006, 0.2643, 0.2777$, and $8.9059, 0.2305, 0.2424$ is the 20% darker color. If you saturate the color by 10%, you get $19.8619, 0.2353, 0.2441$, and if you desaturate by 10%, it is $27.6904, 0.2690, 0.2843$.

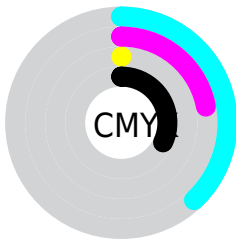
Distribution



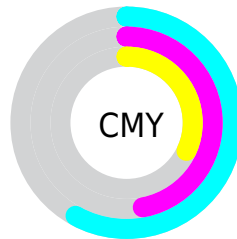
- Red (42%)
- Green (53%)
- Blue (68%)



- Red (42%)
- Yellow (50%)
- Blue (68%)



- Cyan (38%)
- Magenta (22%)
- Yellow (0%)
- Black (32%)



- Cyan (58%)
- Magenta (47%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5332, 0.2521, 0.2649 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 23.5332, 0.2521, 0.2649 by changing the saturation by 10% instead.

■ 23.5332, 0.2521,
0.2649

■ 23.5332, 0.2521,
0.2649

270.4519, 0.2852,
0.2999

■ 14.9877, 0.2429,
0.2552

■ 49.2674, 0.2648,
0.2783

■ 8.8108, 0.2305,
0.2421

■ 67.2248, 0.2694,
0.2832

■ 4.6180, 0.2130,
0.2236

■ 89.0884, 0.2732,
0.2872

■ 2.0249, 0.1868,
0.1960

■ 115.2425, 0.2763,
0.2905

■ 0.6219, 0.1409,
0.1474

146.0715, 0.2791,
0.2934

■ 0.0000, 0.0000,
0.0000

181.9598, 0.2814,

0.2959

223.2918, 0.2834,
0.2980

■ 23.5332, 0.2521,
0.2649

■ 23.5332, 0.2521,
0.2649

■ 19.8619, 0.2353,
0.2441

■ 27.6904, 0.2690,
0.2843

■ 16.6536, 0.2191,
0.2221

■ 32.3497, 0.2855,
0.3020

■ 13.8871, 0.2041,
0.1996

■ 37.5298, 0.3013,
0.3180

■ 11.5384, 0.1909,
0.1773

■ 43.2475, 0.3163,
0.3323

■ 9.5801, 0.1800,
0.1559

■ 49.5189, 0.3303,
0.3450

■ 7.9743, 0.1717,
0.1361

■ 56.3593, 0.3433,
0.3561

■ 7.6222, 0.1699,
0.1315

■ 63.7834, 0.3554,
0.3659

■ 71.8053, 0.3664,
0.3744

■ 78.7393, 0.3699,
0.3832

Harmonies

Analogous

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



23.5332, 0.2383, 0.2808



23.5332, 0.2521, 0.2649



23.5332, 0.2818, 0.2652

Triad

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



23.5332, 0.2521, 0.2649



23.5332, 0.3882, 0.3384



23.5332, 0.2999, 0.3862

Complementary

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



23.5332, 0.2521, 0.2649



30.5499, 0.3814, 0.3853

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.



23.5332, 0.3403, 0.4020



23.5332, 0.2521, 0.2649



23.5332, 0.3929, 0.3705

Square

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



23.5332, 0.2521, 0.2649



23.5332, 0.3615, 0.3062



23.5332, 0.3747, 0.3947



23.5332, 0.2645, 0.3515

Rectangle

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



23.5332, 0.2521, 0.2649



23.5332, 0.3079, 0.2737



23.5332, 0.3747, 0.3947



23.5332, 0.3133, 0.3940

Sweetspot

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



23.5341, 0.2521, 0.2649



63.7143, 0.2956, 0.3124



35.1604, 0.2799, 0.3738



13.5826, 0.2936, 0.3104



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.



23.5341, 0.2521, 0.2649



36.6650, 0.2383, 0.2478



17.2920, 0.2507, 0.2191



8.2825, 0.2986, 0.3154



5.7055, 0.1704, 0.1335



0.2683, 0.1877, 0.1956

Inverse Universe

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



21.3691, 0.3647, 0.2889



32.9093, 0.3816, 0.2802



39.2617, 0.3627, 0.4222



8.0684, 0.3224, 0.3196



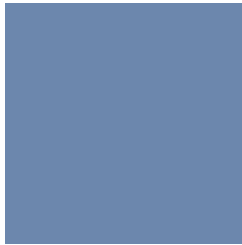
6.8790, 0.5279, 0.2682



0.2024, 0.4503, 0.2255

Previews

White Background



This preview shows how the Yxy color 23.5332, 0.2521, 0.2649 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 23.5332, 0.2521, 0.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

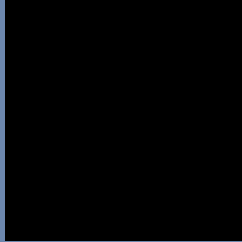
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

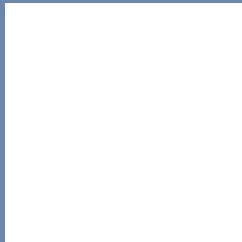
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5332, 0.2521, 0.2649

Background



This preview shows how black text looks on a background with the Yxy color 23.5332, 0.2521, 0.2649.



This preview shows how white text looks on a background with the Yxy color 23.5332, 0.2521, 0.2649.

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

23.5332, 0.2521, 0.2649

Protanopia

23.3458, 0.2670, 0.2647

Deuteranopia

23.5737, 0.2646, 0.2591



Tritanopia

23.4920, 0.2659, 0.3090

Trichromacy



Original Color

23.5332, 0.2521, 0.2649

Protanomaly

23.2944, 0.2617, 0.2642

Deuteranomaly

23.4101, 0.2593, 0.2598

Tritanomaly

23.5886, 0.2610, 0.2936

Monochromacy



Original Color

23.5332, 0.2521, 0.2649

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.7888, 0.2887, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5332, 0.2521, 0.2649 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(108, 135, 173)` looks like.

```
.text, #text, p{  
    color:rgb(108, 135, 173)  
}
```

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(108, 135, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 135, 173) }
```

Border

The CSS property to change the border of an element to Yxy 23.5332, 0.2521, 0.2649 is called "border". The border property can be set on classes, ids or directly on the HTML element.

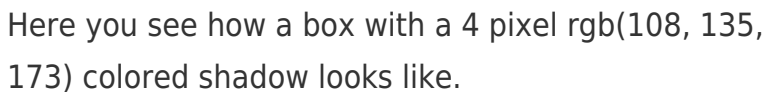
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 135, 173) }
```

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

```
.border{ border-color:rgb(108, 135, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 135, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 135, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 135, 173);  
box-shadow:4px 4px 4px 4px rgb(108, 135,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5332, 0.2521, 0.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 135, 173) }
```

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

```
.background{ background-color: rgb(108,  
135, 173) }
```

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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