

Converting Colors

$Y_{xy}(23.6127, 0.2585, 0.2775)$

Have a look what the booklet for
Yxy(23.6127, 0.2585, 0.2775)
contains.

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Color

Yxy(23.6127, 0.2585, 0.2775)

Conversions

Conversions Part 1

Format	Color
Hex	6D88A6
RGB	109, 136, 166
RGB Percent	43%, 53%, 65%
CMY	0.5725, 0.4667, 0.3490
CMYK	0.34, 0.18, 0.00, 0.35
HSL	212°, 24%, 54%
HSV	212°, 34%, 65%
XYZ	21.9960, 23.6127, 39.4821
YIQ	131.3470, -25.7220, 3.6060

Conversions

Conversions Part 2

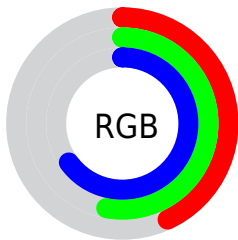
Format	Color
R _{YB}	109, 127, 166
Decimal	7178406
CIE _{Lab}	55.70, -2.07, -19.00
CIE _{LCh}	56, 19.114, 263.794
Yxy	23.6127, 0.2585, 0.2775
Android (android.graphics.Color)	4285368486 (0xFF6D88A6)
YUV	131.3470, 17.0839, -19.5983
Hunter-Lab	48.5929, -4.2381, -14.1586

Details

The Yxy color **23.6127, 0.2585, 0.2775** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.6879, 0.3759, 0.3753**, and the grayscale version is **22.7736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2970, 0.2700, 0.2884**, and **8.8003, 0.2392, 0.2576** is the 20% darker color. If you saturate the color by 10%, you get **20.2951, 0.2423, 0.2593**, and if you desaturate by 10%, it is **27.3319, 0.2748, 0.2943**.

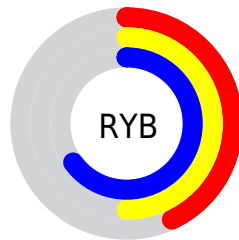
Distribution



Red (43%)

Green (53%)

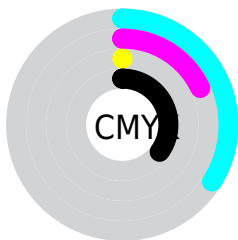
Blue (65%)



Red (43%)

Yellow (50%)

Blue (65%)

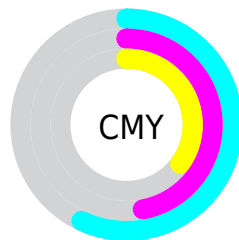


Cyan (34%)

Magenta (18%)

Yellow (0%)

Black (35%)



Cyan (57%)

Magenta (47%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6127, 0.2585, 0.2775 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 23.6127, 0.2585, 0.2775 by changing the saturation by 10% instead.

■ 23.6127, 0.2585,
0.2775

■ 23.6127, 0.2585,
0.2775

270.8565, 0.2882,
0.3059

■ 15.0466, 0.2502,
0.2695

■ 49.3974, 0.2699,
0.2885

■ 8.8521, 0.2389,
0.2585

■ 67.3848, 0.2740,
0.2924

■ 4.6448, 0.2229,
0.2428

■ 89.2815, 0.2774,
0.2957

■ 2.0404, 0.1985,
0.2187

■ 115.4717, 0.2803,
0.2984

■ 0.6308, 0.1516,
0.1741

146.3399, 0.2827,
0.3007

■ 0.0000, 0.0000,
0.0000

182.2705, 0.2848,

0.3027

223.6479, 0.2866,
0.3044

■ 23.6127, 0.2585,
0.2775

■ 23.6127, 0.2585,
0.2775

■ 20.2951, 0.2423,
0.2593

■ 27.3319, 0.2748,
0.2943

■ 17.3604, 0.2266,
0.2400

■ 31.4649, 0.2908,
0.3097

■ 14.7922, 0.2120,
0.2200

■ 36.0266, 0.3062,
0.3235

■ 12.5715, 0.1989,
0.1997

■ 41.0306, 0.3210,
0.3358

■ 10.6771, 0.1879,
0.1798

■ 46.4894, 0.3348,
0.3467

■ 9.0842, 0.1793,
0.1607

■ 52.4152, 0.3478,
0.3564

■ 8.2866, 0.1751,
0.1504

■ 58.8197, 0.3599,
0.3648

■ 65.7141, 0.3710,
0.3723

■ 72.4531, 0.3787,
0.3792

Harmonies

Analogous

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



23.6127, 0.2501, 0.2942



23.6127, 0.2585, 0.2775



23.6127, 0.2809, 0.2745

Triad

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



23.6127, 0.2585, 0.2775



23.6127, 0.3714, 0.3313



23.6127, 0.3097, 0.3799

Complementary

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



23.6127, 0.2585, 0.2775



27.6879, 0.3759, 0.3753

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.



23.6127, 0.3428, 0.3891



23.6127, 0.2585, 0.2775



23.6127, 0.3796, 0.3586

Square

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



23.6127, 0.2585, 0.2775



23.6127, 0.3465, 0.3048



23.6127, 0.3687, 0.3803



23.6127, 0.2785, 0.3545

Rectangle

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



23.6127, 0.2585, 0.2775



23.6127, 0.3016, 0.2798



23.6127, 0.3687, 0.3803



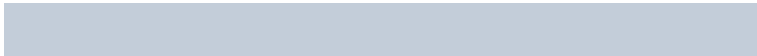
23.6127, 0.3210, 0.3851

Sweetspot

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



23.6136, 0.2585, 0.2775



60.4322, 0.2973, 0.3156



32.3789, 0.2853, 0.3760



13.2768, 0.2952, 0.3137



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.6136, 0.2585, 0.2775



38.3078, 0.2464, 0.2641



17.0068, 0.2532, 0.2293



7.8643, 0.2987, 0.3168



6.5169, 0.1756, 0.1520



0.2616, 0.1931, 0.2153

Inverse Universe

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



20.8266, 0.3540, 0.2875



33.0215, 0.3667, 0.2784



36.3892, 0.3623, 0.4129



7.5992, 0.3215, 0.3184



6.7289, 0.5034, 0.2547



0.1741, 0.4283, 0.2133

Previews

White Background



This preview shows how the Yxy color 23.6127, 0.2585, 0.2775 looks on a white background.

Color Contrast Check

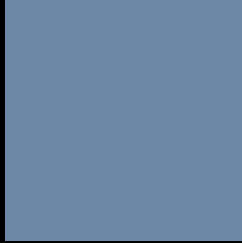
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6127, 0.2585, 0.2775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

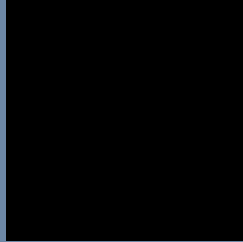
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

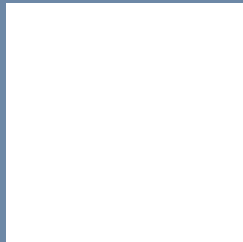
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.6127, 0.2585, 0.2775

Background



This preview shows how black text looks on a background with the Yxy color 23.6127, 0.2585, 0.2775.

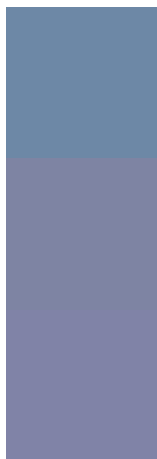


This preview shows how white text looks on a background with the Yxy color 23.6127, 0.2585, 0.2775.

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

23.6127, 0.2585, 0.2775

Protanopia

23.5825, 0.2760, 0.2774

Deuteranopia

23.6118, 0.2743, 0.2700



Tritanopia

23.6705, 0.2685, 0.3091

Trichromacy



Original Color

23.6127, 0.2585, 0.2775

Protanomaly

23.4485, 0.2695, 0.2768

Deuteranomaly

23.6300, 0.2679, 0.2723

Tritanomaly

23.6414, 0.2643, 0.2971

Monochromacy



Original Color

23.6127, 0.2585, 0.2775

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.9996, 0.2907, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6127, 0.2585, 0.2775 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(109, 136, 166)` looks like.

```
.text, #text, p{  
    color:rgb(109, 136, 166)  
}
```

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(109, 136, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 136, 166) }
```

Border

The CSS property to change the border of an element to Yxy 23.6127, 0.2585, 0.2775 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(109, 136, 166) }
```

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

```
.border{ border-color:rgb(109, 136, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 136, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 136, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 136, 166);  
box-shadow:4px 4px 4px 4px rgb(109, 136,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6127, 0.2585, 0.2775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 136, 166) }
```

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

```
.background{ background-color: rgb(109,  
136, 166) }
```

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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