

Converting Colors

$Y_{xy}(23.5184, 0.2401, 0.2544)$

Have a look what the booklet for
Yxy(23.5184, 0.2401, 0.2544)
contains.

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Color

Yxy(23.5563, 0.2404, 0.2552)

Conversions

Conversions Part 1

Format	Color
Hex	6388B4
RGB	99, 136, 180
RGB Percent	39%, 53%, 71%
CMY	0.6117, 0.4667, 0.2941
CMYK	0.45, 0.24, 0.00, 0.29
HSL	213°, 35%, 55%
HSV	213°, 45%, 71%
XYZ	22.1902, 23.5563, 46.5588
YIQ	129.9530, -36.1760, 5.8400

Conversions

Conversions Part 2

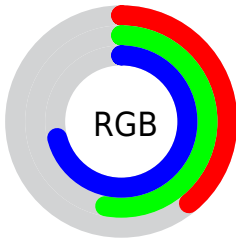
Format	Color
R_{YB}	99, 124, 180
Decimal	6523060
CIE _{Lab}	55.64, -0.92, -27.16
CIE _{LCh}	56, 27.173, 268.061
Yxy	23.5563, 0.2404, 0.2552
Android (android.graphics.Color)	4284713140 (0xFF6388B4)
YUV	129.9530, 24.6732, -27.1458
Hunter-Lab	48.5348, -3.3255, -22.9017

Details

The Yxy color **23.5563, 0.2404, 0.2552** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **30.2603, 0.4004, 0.3920**, and the grayscale version is **22.2288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2236, 0.2552, 0.2703**, and **8.7458, 0.2151, 0.2282** is the 20% darker color. If you saturate the color by 10%, you get **20.0227, 0.2245, 0.2351**, and if you desaturate by 10%, it is **27.5692, 0.2569, 0.2742**.

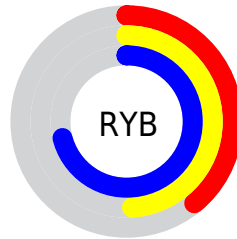
Distribution



Red (39%)

Green (53%)

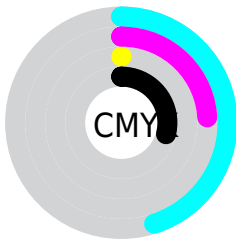
Blue (71%)



Red (39%)

Yellow (49%)

Blue (71%)

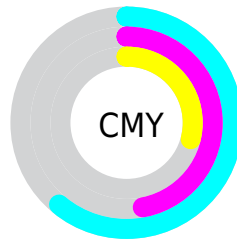


Cyan (45%)

Magenta (24%)

Yellow (0%)

Black (29%)



Cyan (61%)

Magenta (47%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5563, 0.2404, 0.2552 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 23.5563, 0.2404, 0.2552 by changing the saturation by 10% instead.

■ 23.5563, 0.2404,
0.2552

■ 23.5563, 0.2404,
0.2552

270.5695, 0.2796,
0.2953

■ 15.0048, 0.2297,
0.2442

■ 49.3052, 0.2554,
0.2706

■ 8.8228, 0.2154,
0.2294

■ 67.2713, 0.2608,
0.2761

■ 4.6258, 0.1955,
0.2089

■ 89.1445, 0.2652,
0.2807

■ 2.0294, 0.1666,
0.1789

■ 115.3091, 0.2690,
0.2845

■ 0.6245, 0.1179,
0.1290

146.1495, 0.2723,
0.2878

■ 0.0000, 0.0000,
0.0000

182.0501, 0.2750,

0.2907

223.3953, 0.2775,
0.2932

■ 23.5563, 0.2404,
0.2552

■ 23.5563, 0.2404,
0.2552

■ 20.0227, 0.2245,
0.2351

■ 27.5692, 0.2569,
0.2742

■ 16.9438, 0.2097,
0.2142

■ 32.0788, 0.2734,
0.2918

■ 14.2965, 0.1965,
0.1932

■ 37.1051, 0.2896,
0.3079

■ 12.0538, 0.1855,
0.1726

■ 42.6659, 0.3052,
0.3224

■ 10.1839, 0.1770,
0.1532

■ 48.7778, 0.3201,
0.3353

■ 9.3573, 0.1733,
0.1439

■ 55.4571, 0.3340,
0.3467

■ 62.7190, 0.3470,
0.3568

■ 70.5783, 0.3591,
0.3656

■ 77.8872, 0.3657,
0.3740

Harmonies

Analogous

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



23.5563, 0.2261, 0.2745



23.5563, 0.2404, 0.2552



23.5563, 0.2733, 0.2546

Triad

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



23.5563, 0.2404, 0.2552



23.5563, 0.4000, 0.3362



23.5563, 0.3007, 0.3993

Complementary

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



23.5563, 0.2404, 0.2552



30.2603, 0.4004, 0.3920

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.



23.5563, 0.3478, 0.4154



23.5563, 0.2404, 0.2552



23.5563, 0.4072, 0.3738

Square

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



23.5563, 0.2404, 0.2552



23.5563, 0.3667, 0.2996



23.5563, 0.3873, 0.4039



23.5563, 0.2589, 0.3590

Rectangle

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



23.5563, 0.2404, 0.2552



23.5563, 0.3031, 0.2637



23.5563, 0.3873, 0.4039



23.5563, 0.3165, 0.4079

Sweetspot

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



23.5572, 0.2404, 0.2552



68.9830, 0.2924, 0.3106



37.2576, 0.2773, 0.3918



14.4541, 0.2889, 0.3073



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.5572, 0.2404, 0.2552



36.3408, 0.2246, 0.2352



15.0332, 0.2318, 0.1920



8.8480, 0.2985, 0.3163



6.6617, 0.1739, 0.1461



0.3267, 0.1890, 0.2005

Inverse Universe

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



20.4102, 0.3752, 0.2761



31.0457, 0.3964, 0.2656



42.9282, 0.3758, 0.4387



8.5676, 0.3218, 0.3186



7.2126, 0.5110, 0.2589



0.2388, 0.4448, 0.2224

Previews

White Background



This preview shows how the Yxy color 23.5563, 0.2404, 0.2552 looks on a white background.

Color Contrast Check

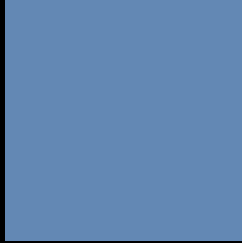
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5563, 0.2404, 0.2552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

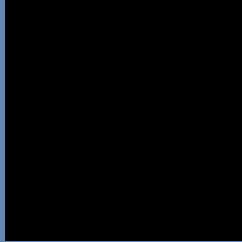
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

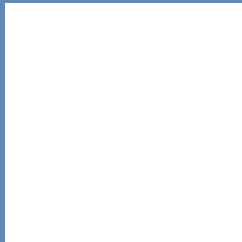
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5563, 0.2404, 0.2552

Background



This preview shows how black text looks on a background with the Yxy color 23.5563, 0.2404, 0.2552.

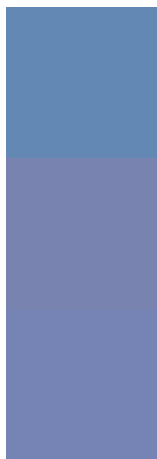


This preview shows how white text looks on a background with the Yxy color 23.5563, 0.2404, 0.2552.

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

23.5563, 0.2404, 0.2552

Protanopia

23.3603, 0.2593, 0.2556

Deuteranopia

23.4203, 0.2537, 0.2483



Tritanopia

23.5409, 0.2558, 0.3087

Trichromacy



Original Color

23.5563, 0.2404, 0.2552

Protanomaly

23.3941, 0.2520, 0.2562

Deuteranomaly

23.4908, 0.2482, 0.2504

Tritanomaly

23.4536, 0.2501, 0.2879

Monochromacy



Original Color

23.5563, 0.2404, 0.2552

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.5626, 0.2826, 0.3007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5563, 0.2404, 0.2552 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(99, 136, 180)` looks like.

```
.text, #text, p{  
    color:rgb(99, 136, 180)  
}
```

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(99, 136, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 136, 180) }
```

Border

The CSS property to change the border of an element to Yxy 23.5563, 0.2404, 0.2552 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(99, 136, 180) }
```

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

```
.border{ border-color:rgb(99, 136, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 136, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 136, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 136, 180); box-shadow:4px 4px 4px 4px rgb(99, 136, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5563, 0.2404, 0.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 136, 180) }
```

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

```
.background{ background-color: rgb(99, 136,  
180) }
```

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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