

Converting Colors

$Y_{xy}(23.5575, 0.2354, 0.2610)$

Have a look what the booklet for
Yxy(23.5575, 0.2354, 0.2610)
contains.

Yxy(23.5152, 0.2353, 0.2604)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5152, 0.2353, 0.2604)

Conversions

Conversions Part 1

Format	Color
Hex	598AB2
RGB	89, 138, 178
RGB Percent	35%, 54%, 70%
CMY	0.6507, 0.4589, 0.3019
CMYK	0.50, 0.22, 0.00, 0.30
HSL	207°, 37%, 52%
HSV	207°, 50%, 70%
XYZ	21.2486, 23.5152, 45.5404
YIQ	127.9090, -42.0440, 2.0520

Conversions

Conversions Part 2

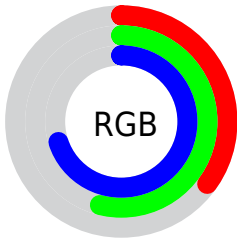
Format	Color
R _Y B	89, 121, 178
Decimal	5868210
CIE Lab	55.60, -5.16, -26.12
CIE LCh	56, 26.627, 258.831
Yxy	23.5152, 0.2353, 0.2604
Android (android.graphics.Color)	4284058290 (0xFF598AB2)
YUV	127.9090, 24.6949, -34.1232
Hunter-Lab	48.4925, -6.6462, -21.7359

Details

The Yxy color **23.5152, 0.2353, 0.2604** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.9077, 0.4188, 0.3871**, and the grayscale version is **21.4819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1314, 0.2512, 0.2744**, and **8.7514, 0.2086, 0.2353** is the 20% darker color. If you saturate the color by 10%, you get **20.5251, 0.2212, 0.2436**, and if you desaturate by 10%, it is **26.8895, 0.2504, 0.2764**.

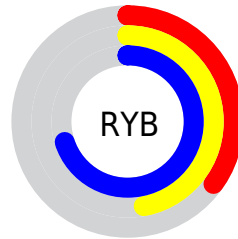
Distribution



Red (35%)

Green (54%)

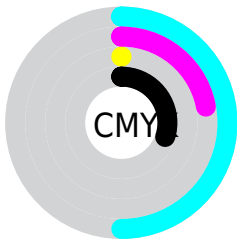
Blue (70%)



Red (35%)

Yellow (47%)

Blue (70%)

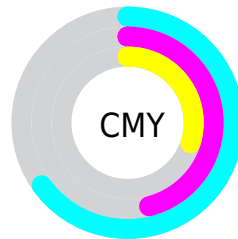


Cyan (50%)

Magenta (22%)

Yellow (0%)

Black (30%)



Cyan (65%)

Magenta (46%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5152, 0.2353, 0.2604 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 23.5152, 0.2353, 0.2604 by changing the saturation by 10% instead.

■ 23.5152, 0.2353,
0.2604

■ 23.5152, 0.2353,
0.2604

270.3602, 0.2771,
0.2981

■ 14.9744, 0.2239,
0.2499

■ 49.2379, 0.2512,
0.2749

■ 8.8014, 0.2088,
0.2357

■ 67.1886, 0.2570,
0.2802

■ 4.6119, 0.1879,
0.2157

■ 89.0447, 0.2618,
0.2845

■ 2.0214, 0.1576,
0.1861

■ 115.1906, 0.2658,
0.2881

■ 0.6199, 0.1019,
0.1364

146.0107, 0.2693,
0.2912

■ 0.0000, 0.0000,
0.0000

181.8894, 0.2722,

0.2938

223.2111, 0.2748,
0.2961

■ 23.5152, 0.2353,
0.2604

■ 23.5152, 0.2353,
0.2604

■ 20.5251, 0.2212,
0.2436

■ 26.8895, 0.2504,
0.2764

■ 17.8972, 0.2084,
0.2263

■ 30.6628, 0.2661,
0.2914

■ 15.6111, 0.1976,
0.2089

■ 34.8524, 0.2819,
0.3052

■ 13.6418, 0.1889,
0.1918

■ 39.4734, 0.2976,
0.3177

■ 11.9415, 0.1821,
0.1753

■ 44.5401, 0.3128,
0.3290

■ 11.9362, 0.1820,
0.1753

■ 50.0662, 0.3274,
0.3391

■ 56.0645, 0.3413,
0.3480

■ 62.5475, 0.3544,
0.3559

■ 69.5269, 0.3667,
0.3628

Harmonies

Analogous

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



23.5152, 0.2274, 0.2851



23.5152, 0.2353, 0.2604



23.5152, 0.2624, 0.2542

Triad

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



23.5152, 0.2353, 0.2604



23.5152, 0.3906, 0.3247



23.5152, 0.3153, 0.4057

Complementary

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



23.5152, 0.2353, 0.2604



25.9077, 0.4188, 0.3871

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.



23.5152, 0.3605, 0.4129



23.5152, 0.2353, 0.2604



23.5152, 0.4062, 0.3621

Square

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



23.5152, 0.2353, 0.2604



23.5152, 0.3522, 0.2904



23.5152, 0.3944, 0.3949



23.5152, 0.2713, 0.3722

Rectangle

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



23.5152, 0.2353, 0.2604



23.5152, 0.2893, 0.2599



23.5152, 0.3944, 0.3949



23.5152, 0.3308, 0.4113

Sweetspot

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



23.5161, 0.2353, 0.2604



67.0446, 0.2893, 0.3113



35.5175, 0.2803, 0.4163



14.4716, 0.2860, 0.3086



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.



23.5161, 0.2353, 0.2604



36.6775, 0.2197, 0.2418



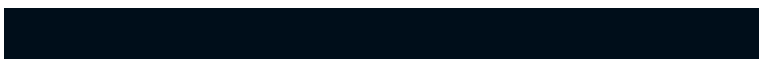
13.5241, 0.2207, 0.1836



8.9792, 0.2985, 0.3185



8.6671, 0.1825, 0.1771



0.3872, 0.1955, 0.2237

Inverse Universe

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



18.4552, 0.3726, 0.2593



27.8415, 0.3928, 0.2464



39.7214, 0.3884, 0.4416



8.5809, 0.3204, 0.3165



7.4151, 0.4720, 0.2374



0.2449, 0.4192, 0.2083

Previews

White Background



This preview shows how the Yxy color 23.5152, 0.2353, 0.2604 looks on a white background.

Color Contrast Check

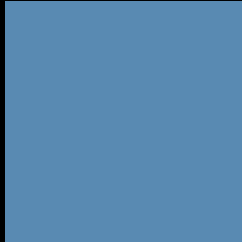
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5152, 0.2353, 0.2604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

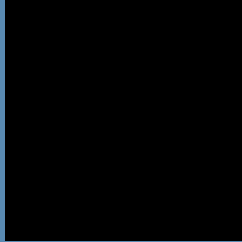
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

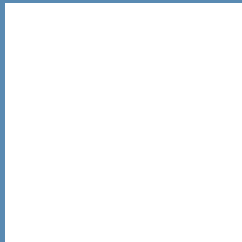
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5152, 0.2353, 0.2604

Background



This preview shows how black text looks on a background with the Yxy color 23.5152, 0.2353, 0.2604.

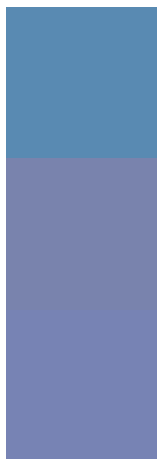


This preview shows how white text looks on a background with the Yxy color 23.5152, 0.2353, 0.2604.

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

23.5152, 0.2353, 0.2604

Protanopia

23.3147, 0.2626, 0.2601

Deuteranopia

23.4498, 0.2553, 0.2499



Tritanopia

23.4284, 0.2473, 0.3066

Trichromacy



Original Color

23.5152, 0.2353, 0.2604

Protanomaly

23.3965, 0.2512, 0.2604

Deuteranomaly

23.4930, 0.2475, 0.2545

Tritanomaly

23.5789, 0.2428, 0.2892

Monochromacy



Original Color

23.5152, 0.2353, 0.2604

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.1553, 0.2794, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5152, 0.2353, 0.2604 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(89, 138, 178)` looks like.

```
.text, #text, p{  
    color:rgb(89, 138, 178)  
}
```

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(89, 138, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 138, 178) }
```

Border

The CSS property to change the border of an element to Yxy 23.5152, 0.2353, 0.2604 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(89, 138, 178) }
```

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

```
.border{ border-color:rgb(89, 138, 178) }
```

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

Here you see how a box with a 4 pixel rgb(89, 138, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 138, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 138, 178);  
box-shadow:4px 4px 4px 4px rgb(89, 138,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5152, 0.2353, 0.2604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 138, 178) }
```

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

```
.background{ background-color: rgb(89, 138,  
178) }
```

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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