

Converting Colors

$Y_{xy}(24.6834, 0.2312, 0.2386)$

Have a look what the booklet for
Yxy(24.6834, 0.2312, 0.2386)
contains.

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Color

Yxy(24.7138, 0.2309, 0.2380)

Conversions

Conversions Part 1

Format	Color
Hex	628AC3
RGB	98, 138, 195
RGB Percent	38%, 54%, 76%
CMY	0.6157, 0.4588, 0.2352
CMYK	0.50, 0.29, 0.00, 0.24
HSL	215°, 45%, 57%
HSV	215°, 50%, 76%
XYZ	23.9765, 24.7138, 55.1492
YIQ	132.5380, -42.1370, 9.2470

Conversions

Conversions Part 2

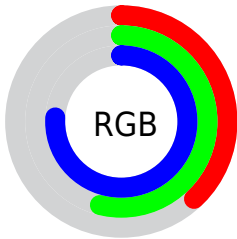
Format	Color
R_{YB}	98, 126, 195
Decimal	6458051
CIE _{Lab}	56.80, 2.15, -33.92
CIE _{LCh}	57, 33.984, 273.632
Yxy	24.7138, 0.2309, 0.2380
Android (android.graphics.Color)	4284648131 (0xFF628AC3)
YUV	132.5380, 30.7938, -30.2898
Hunter-Lab	49.7130, -0.9073, -30.9744

Details

The Yxy color **24.7138, 0.2309, 0.2380** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **35.9326, 0.4097, 0.4040**, and the grayscale version is **23.1766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0622, 0.2470, 0.2556**, and **9.3537, 0.2036, 0.2076** is the 20% darker color. If you saturate the color by 10%, you get **20.6421, 0.2148, 0.2156**, and if you desaturate by 10%, it is **29.3986, 0.2478, 0.2594**.

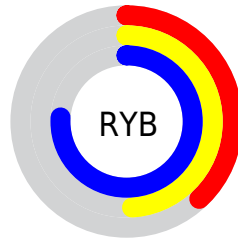
Distribution



Red (38%)

Green (54%)

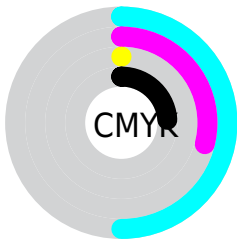
Blue (76%)



Red (38%)

Yellow (49%)

Blue (76%)

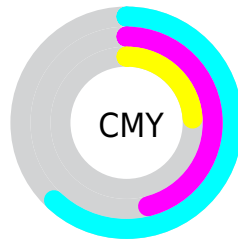


Cyan (50%)

Magenta (29%)

Yellow (0%)

Black (24%)



Cyan (62%)

Magenta (46%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7138, 0.2309, 0.2380 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 24.7138, 0.2309, 0.2380 by changing the saturation by 10% instead.

■ 24.7138, 0.2309,
0.2380

■ 24.7138, 0.2309,
0.2380

276.4096, 0.2747,
0.2863

■ 15.8640, 0.2192,
0.2253

■ 51.1925, 0.2474,
0.2561

■ 9.4279, 0.2040,
0.2086

■ 69.5902, 0.2534,
0.2628

■ 5.0213, 0.1833,
0.1862

■ 91.9393, 0.2584,
0.2683

■ 2.2598, 0.1541,
0.1550

■ 118.6242, 0.2627,
0.2730

■ 0.7523, 0.1119,
0.1096

150.0293, 0.2663,
0.2771

■ 0.0000, 0.0000,
0.0000

186.5390, 0.2695,

0.2806

228.5376, 0.2722,
0.2836

■ 24.7138, 0.2309,
0.2380

■ 24.7138, 0.2309,
0.2380

■ 20.6421, 0.2148,
0.2156

■ 29.3986, 0.2478,
0.2594

■ 17.1505, 0.2000,
0.1928

■ 34.7216, 0.2648,
0.2795

■ 14.2065, 0.1873,
0.1704

■ 40.7095, 0.2816,
0.2979

■ 11.7719, 0.1771,
0.1491

■ 47.3867, 0.2978,
0.3145

■ 9.7847, 0.1694,
0.1297

■ 54.7762, 0.3131,
0.3293

■ 9.7402, 0.1693,
0.1293

■ 62.8996, 0.3274,
0.3425

■ 71.7780, 0.3408,
0.3541

■ 81.4311, 0.3531,
0.3642

■ 88.1971, 0.3513,
0.3751

Harmonies

Analogous

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



24.7138, 0.2097, 0.2558



24.7138, 0.2309, 0.2380



24.7138, 0.2737, 0.2418

Triad

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



24.7138, 0.2309, 0.2380



24.7138, 0.4246, 0.3448



24.7138, 0.2867, 0.4096

Complementary

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



24.7138, 0.2309, 0.2380



35.9326, 0.4097, 0.4040

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.



24.7138, 0.3439, 0.4356



24.7138, 0.2309, 0.2380



24.7138, 0.4262, 0.3895

Square

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



24.7138, 0.2309, 0.2380



24.7138, 0.3887, 0.3006



24.7138, 0.3955, 0.4248



24.7138, 0.2391, 0.3546

Rectangle

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



24.7138, 0.2309, 0.2380



24.7138, 0.3113, 0.2549



24.7138, 0.3955, 0.4248



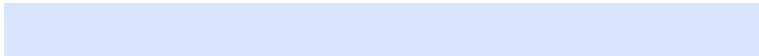
24.7138, 0.3054, 0.4225

Sweetspot

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



24.7147, 0.2309, 0.2380



78.1445, 0.2890, 0.3056



43.9892, 0.2714, 0.3923



16.5592, 0.2855, 0.3020



0.0000, 0.0000, 0.0000



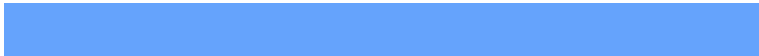
21.4041, 0.3127, 0.3290

Same Dimension

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



24.7147, 0.2309, 0.2380



36.1735, 0.2130, 0.2129



15.7432, 0.2253, 0.1758



10.4150, 0.2984, 0.3151



6.4861, 0.1700, 0.1318



0.4159, 0.1825, 0.1768

Inverse Universe

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



22.1734, 0.3918, 0.2761



32.7432, 0.4202, 0.2666



50.4787, 0.3776, 0.4517



10.1452, 0.3226, 0.3195



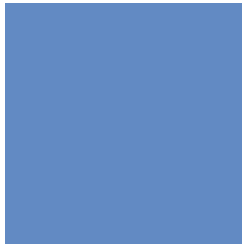
7.9370, 0.5302, 0.2694



0.3566, 0.4724, 0.2376

Previews

White Background



This preview shows how the Yxy color 24.7138, 0.2309, 0.2380 looks on a white background.

Color Contrast Check

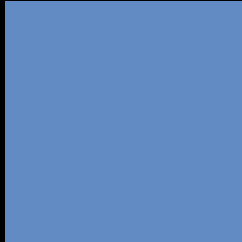
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7138, 0.2309, 0.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

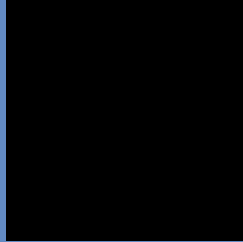
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

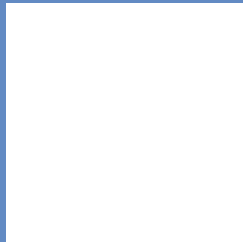
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.7138, 0.2309, 0.2380

Background



This preview shows how black text looks on a background with the Yxy color 24.7138, 0.2309, 0.2380.

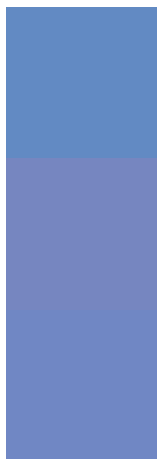


This preview shows how white text looks on a background with the Yxy color 24.7138, 0.2309, 0.2380.

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

24.7138, 0.2309, 0.2380

Protanopia

24.7075, 0.2465, 0.2387

Deuteranopia

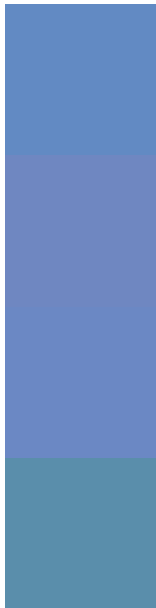
24.7582, 0.2394, 0.2341



Tritanopia

24.6636, 0.2496, 0.3071

Trichromacy



Original Color

24.7138, 0.2309, 0.2380

Protanomaly

24.5577, 0.2405, 0.2378

Deuteranomaly

24.7196, 0.2360, 0.2349

Tritanomaly

24.4599, 0.2418, 0.2785

Monochromacy



Original Color

24.7138, 0.2309, 0.2380

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.7213, 0.2767, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7138, 0.2309, 0.2380 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(98, 138, 195)` looks like.

```
.text, #text, p{  
    color:rgb(98, 138, 195)  
}
```

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(98, 138, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 138, 195) }
```

Border

The CSS property to change the border of an element to Yxy 24.7138, 0.2309, 0.2380 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(98, 138, 195) }
```

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

```
.border{ border-color:rgb(98, 138, 195) }
```

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

Here you see how a box with a 4 pixel rgb(98, 138, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 138, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 138, 195);  
box-shadow:4px 4px 4px 4px rgb(98, 138,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7138, 0.2309, 0.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 138, 195) }
```

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

```
.background{ background-color: rgb(98, 138,  
195) }
```

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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