

Converting Colors

$Y_{xy}(24.0378, 0.2257, 0.2309)$

Have a look what the booklet for
Yxy(24.0378, 0.2257, 0.2309)
contains.

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Color

Yxy(24.0127, 0.2253, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	5D88C6
RGB	93, 136, 198
RGB Percent	36%, 53%, 78%
CMY	0.6353, 0.4667, 0.2235
CMYK	0.53, 0.31, 0.00, 0.22
HSL	215°, 48%, 57%
HSV	215°, 53%, 78%
XYZ	23.5118, 24.0127, 56.8332
YIQ	130.2110, -45.5300, 10.1660

Conversions

Conversions Part 2

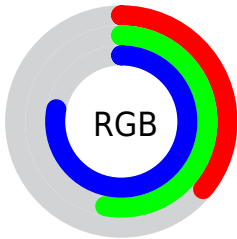
Format	Color
R_{YB}	93, 124, 198
Decimal	6129862
CIE Lab	56.10, 3.09, -36.72
CIE LCh	56, 36.850, 274.816
Yxy	24.0127, 0.2253, 0.2301
Android (android.graphics.Color)	4284319942 (0xFF5D88C6)
YUV	130.2110, 33.4200, -32.6340
Hunter-Lab	49.0028, -0.1096, -34.4624

Details

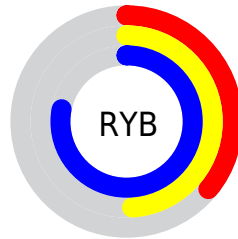
The Yxy color **24.0127, 0.2253, 0.2301** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **36.2426, 0.4174, 0.4089**, and the grayscale version is **22.2929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0048, 0.2428, 0.2496**, and **9.1213, 0.1967, 0.1992** is the 20% darker color. If you saturate the color by 10%, you get **19.9950, 0.2095, 0.2073**, and if you desaturate by 10%, it is **28.6589, 0.2420, 0.2521**.

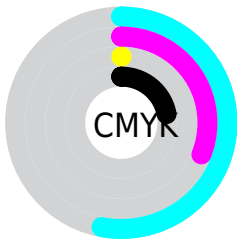
Distribution



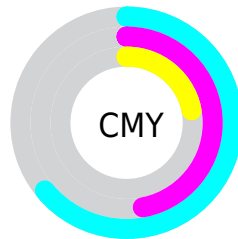
- Red (36%)
- Green (53%)
- Blue (78%)



- Red (36%)
- Yellow (49%)
- Blue (78%)



- Cyan (53%)
- Magenta (31%)
- Yellow (0%)
- Black (22%)



- Cyan (64%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0127, 0.2253, 0.2301 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 24.0127, 0.2253, 0.2301 by changing the saturation by 10% instead.

■ 24.0127, 0.2253,
0.2301

■ 24.0127, 0.2253,
0.2301

272.8847, 0.2721,
0.2825

■ 15.3430, 0.2129,
0.2164

■ 50.0509, 0.2429,
0.2497

■ 9.0605, 0.1967,
0.1986

■ 68.1883, 0.2493,
0.2569

■ 4.7807, 0.1749,
0.1749

■ 90.2503, 0.2547,
0.2629

■ 2.1192, 0.1445,
0.1423

■ 116.6215, 0.2593,
0.2680

■ 0.6754, 0.1011,
0.0952

147.6861, 0.2632,
0.2724

■ 0.0000, 0.0000,
0.0000

183.8285, 0.2665,

0.2762

225.4333, 0.2695,
0.2795

■ 24.0127, 0.2253,
0.2301

■ 24.0127, 0.2253,
0.2301

■ 19.9950, 0.2095,
0.2073

■ 28.6589, 0.2420,
0.2521

■ 16.5706, 0.1953,
0.1845

■ 33.9609, 0.2591,
0.2727

■ 13.7041, 0.1834,
0.1623

■ 39.9471, 0.2761,
0.2918

■ 11.3534, 0.1741,
0.1415

■ 46.6434, 0.2925,
0.3091

■ 9.9775, 0.1690,
0.1283

■ 54.0743, 0.3081,
0.3246

■ 62.2628, 0.3228,
0.3384

■ 71.2310, 0.3365,
0.3506

■ 81.0001, 0.3491,
0.3612

■ 88.3862, 0.3493,
0.3722

Harmonies

Analogous

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



24.0127, 0.2017, 0.2478



24.0127, 0.2253, 0.2301



24.0127, 0.2722, 0.2353

Triad

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



24.0127, 0.2253, 0.2301



24.0127, 0.4361, 0.3472



24.0127, 0.2814, 0.4162

Complementary

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



24.0127, 0.2253, 0.2301



36.2426, 0.4174, 0.4089

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.



24.0127, 0.3436, 0.4461



24.0127, 0.2253, 0.2301



24.0127, 0.4358, 0.3955

Square

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



24.0127, 0.2253, 0.2301



24.0127, 0.3980, 0.2996



24.0127, 0.4005, 0.4342



24.0127, 0.2308, 0.3541

Rectangle

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



24.0127, 0.2253, 0.2301



24.0127, 0.3135, 0.2499



24.0127, 0.4005, 0.4342



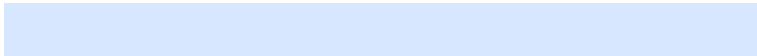
24.0127, 0.3016, 0.4309

Sweetspot

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



24.0136, 0.2253, 0.2301



78.6474, 0.2873, 0.3038



45.0652, 0.2695, 0.3974



16.2993, 0.2839, 0.3002



0.0000, 0.0000, 0.0000



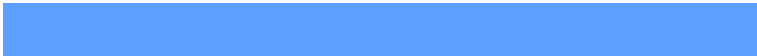
21.4041, 0.3127, 0.3290

Same Dimension

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



24.0136, 0.2253, 0.2301



34.1568, 0.2066, 0.2029



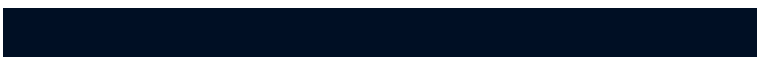
14.7141, 0.2185, 0.1644



10.9889, 0.2983, 0.3150



6.6465, 0.1697, 0.1307



0.4566, 0.1813, 0.1727

Inverse Universe

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



21.6125, 0.4003, 0.2734



31.3703, 0.4322, 0.2644



52.0402, 0.3812, 0.4590



10.7078, 0.3227, 0.3196



8.2110, 0.5317, 0.2703



0.4031, 0.4774, 0.2403

Previews

White Background



This preview shows how the Yxy color 24.0127, 0.2253, 0.2301 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 24.0127, 0.2253, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

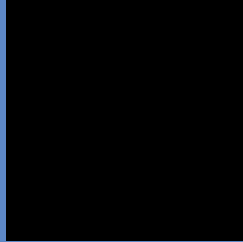
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

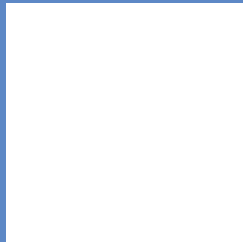
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0127, 0.2253, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 24.0127, 0.2253, 0.2301.

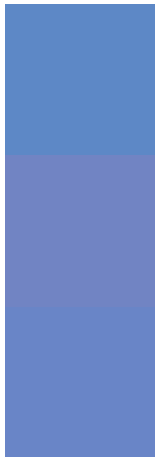


This preview shows how white text looks on a background with the Yxy color 24.0127, 0.2253, 0.2301.

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

24.0127, 0.2253, 0.2301

Protanopia

23.9534, 0.2400, 0.2308

Deuteranopia

23.9018, 0.2318, 0.2260



Tritanopia

23.9665, 0.2446, 0.3067

Trichromacy



Original Color

24.0127, 0.2253, 0.2301

Protanomaly

23.8248, 0.2344, 0.2298

Deuteranomaly

23.9404, 0.2293, 0.2269

Tritanomaly

23.8290, 0.2368, 0.2760

Monochromacy



Original Color

24.0127, 0.2253, 0.2301

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.6510, 0.2743, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0127, 0.2253, 0.2301 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(93, 136, 198)` looks like.

```
.text, #text, p{  
    color:rgb(93, 136, 198)  
}
```

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(93, 136, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 136, 198) }
```

Border

The CSS property to change the border of an element to Yxy 24.0127, 0.2253, 0.2301 is called "border". The border property can be set on classes, ids or directly on the HTML element.

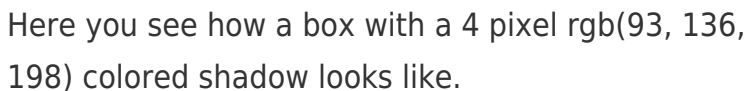
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 136, 198) }
```

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

```
.border{ border-color:rgb(93, 136, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 136, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(93, 136, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(93, 136, 198); box-shadow:4px 4px 4px 4px rgb(93, 136, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0127, 0.2253, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 136, 198) }
```

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

```
.background{ background-color: rgb(93, 136,  
198) }
```

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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