

Converting Colors

$Y_{xy}(24.0099, 0.2339, 0.2116)$

Have a look what the booklet for
Yxy(24.0099, 0.2339, 0.2116)
contains.

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Color

Yxy(24.0365, 0.2341, 0.2117)

Conversions

Conversions Part 1

Format	Color
Hex	7581D0
RGB	117, 129, 208
RGB Percent	46%, 51%, 82%
CMY	0.5409, 0.4942, 0.1842
CMYK	0.44, 0.38, 0.00, 0.18
HSL	232°, 49%, 64%
HSV	232°, 44%, 82%
XYZ	26.5798, 24.0365, 62.9241
YIQ	134.4180, -32.5110, 22.0250

Conversions

Conversions Part 2

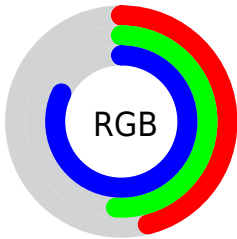
Format	Color
R_{YB}	117, 128, 208
Decimal	7700944
CIE _{Lab}	56.12, 16.09, -42.24
CIE _{LCh}	56, 45.198, 290.853
Yxy	24.0365, 0.2341, 0.2117
Android (android.graphics.Color)	4285891024 (0xFF7581D0)
YUV	134.4180, 36.2759, -15.2756
Hunter-Lab	49.0270, 10.9757, -41.7772

Details

The Yxy color **24.0365, 0.2341, 0.2117** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.2262, 0.3829, 0.4238**, and the grayscale version is **23.8792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5601, 0.2562, 0.2441**, and **9.0614, 0.2080, 0.1777** is the 20% darker color. If you saturate the color by 10%, you get **18.4043, 0.2140, 0.1797**, and if you desaturate by 10%, it is **30.8331, 0.2541, 0.2427**.

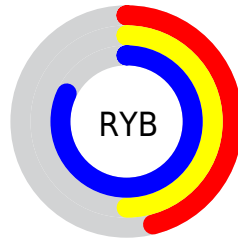
Distribution



Red (46%)

Green (51%)

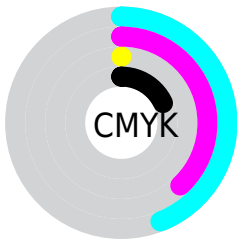
Blue (82%)



Red (46%)

Yellow (50%)

Blue (82%)

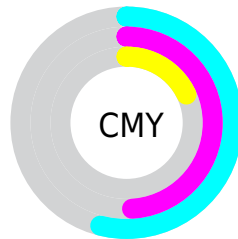


Cyan (44%)

Magenta (38%)

Yellow (0%)

Black (18%)



Cyan (54%)

Magenta (49%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0365, 0.2341, 0.2117 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 24.0365, 0.2341, 0.2117 by changing the saturation by 10% instead.

■ 24.0365, 0.2341,
0.2117

■ 24.0365, 0.2341,
0.2117

273.0050, 0.2767,
0.2719

■ 15.3607, 0.2227,
0.1967

■ 50.0898, 0.2502,
0.2337

■ 9.0729, 0.2078,
0.1777

■ 68.2360, 0.2561,
0.2419

■ 4.7888, 0.1877,
0.1531

■ 90.3078, 0.2609,
0.2489

■ 2.1239, 0.1596,
0.1207

116.6897, 0.2651,
0.2548

■ 0.6780, 0.1196,
0.0770

147.7659, 0.2686,
0.2599

■ 0.0000, 0.0000,
0.0000

183.9210, 0.2717,

0.2644

225.5392, 0.2743,
0.2684

■ 24.0365, 0.2341,
0.2117

■ 24.0365, 0.2341,
0.2117

■ 18.4043, 0.2140,
0.1797

■ 30.8331, 0.2541,
0.2427

■ 13.8680, 0.1949,
0.1483

■ 38.8520, 0.2733,
0.2715

■ 10.3560, 0.1782,
0.1195

■ 48.1505, 0.2910,
0.2977

■ 7.7867, 0.1650,
0.0952

■ 58.7815, 0.3072,
0.3211

■ 6.0656, 0.1562,
0.0772

■ 70.7949, 0.3216,
0.3415

■ 5.3501, 0.1526,
0.0693

■ 84.2378, 0.3343,
0.3593

■ 97.3349, 0.3406,
0.3750

Harmonies

Analogous

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



24.0365, 0.1919, 0.2165



24.0365, 0.2341, 0.2117



24.0365, 0.3022, 0.2308

Triad

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



24.0365, 0.2341, 0.2117



24.0365, 0.4685, 0.3788



24.0365, 0.2381, 0.3987

Complementary

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



24.0365, 0.2341, 0.2117



54.2262, 0.3829, 0.4238

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.



24.0365, 0.3071, 0.4625



24.0365, 0.2341, 0.2117



24.0365, 0.4416, 0.4339

Square

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



24.0365, 0.2341, 0.2117



24.0365, 0.4477, 0.3214



24.0365, 0.3816, 0.4708



24.0365, 0.1928, 0.3143

Rectangle

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



24.0365, 0.2341, 0.2117



24.0365, 0.3563, 0.2548



24.0365, 0.3816, 0.4708



24.0365, 0.2592, 0.4248

Sweetspot

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



24.0374, 0.2341, 0.2117



77.2230, 0.2920, 0.2992



52.8877, 0.2605, 0.3456



15.7801, 0.2882, 0.2936



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.



24.0374, 0.2341, 0.2117



30.0749, 0.2162, 0.1833



23.8175, 0.2601, 0.2037



11.6637, 0.2982, 0.3082



3.4138, 0.1530, 0.0707



0.2747, 0.1602, 0.0968

Inverse Universe

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



27.7359, 0.4117, 0.3142



37.1641, 0.4442, 0.3117



55.4822, 0.3495, 0.4469



11.8331, 0.3270, 0.3260



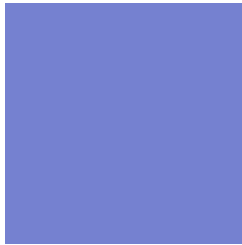
8.4159, 0.6220, 0.3200



0.4790, 0.5807, 0.2973

Previews

White Background



This preview shows how the Yxy color 24.0365, 0.2341, 0.2117 looks on a white background.

Color Contrast Check

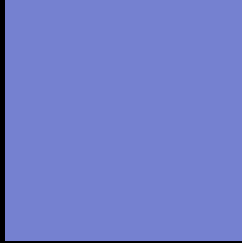
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0365, 0.2341, 0.2117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

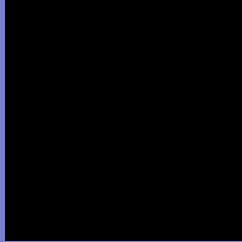
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0365, 0.2341, 0.2117

Background



This preview shows how black text looks on a background with the Yxy color 24.0365, 0.2341, 0.2117.

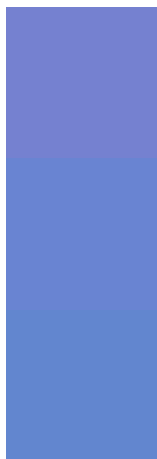


This preview shows how white text looks on a background with the Yxy color 24.0365, 0.2341, 0.2117.

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

24.0365, 0.2341, 0.2117

Protanopia

24.1589, 0.2252, 0.2116

Deuteranopia

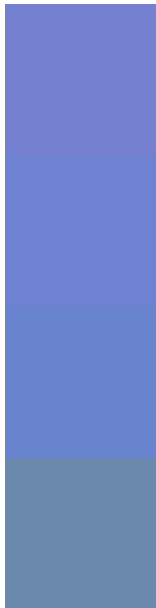
24.1519, 0.2229, 0.2169



Tritanopia

24.1415, 0.2647, 0.3092

Trichromacy



Original Color

24.0365, 0.2341, 0.2117

Protanomaly

24.0873, 0.2282, 0.2120

Deuteranomaly

24.0108, 0.2269, 0.2150

Tritanomaly

23.9957, 0.2525, 0.2698

Monochromacy



Original Color

24.0365, 0.2341, 0.2117

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6649, 0.2798, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0365, 0.2341, 0.2117 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(117, 129, 208)` looks like.

```
.text, #text, p{  
    color:rgb(117, 129, 208)  
}
```

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(117, 129, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 129, 208) }
```

Border

The CSS property to change the border of an element to Yxy 24.0365, 0.2341, 0.2117 is called "border". The border property can be set on classes, ids or directly on the HTML element.

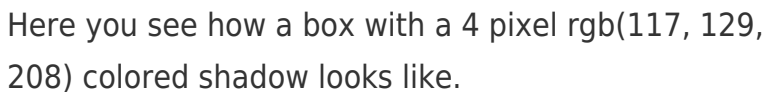
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 129, 208) }
```

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

```
.border{ border-color:rgb(117, 129, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 129, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 129, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 129, 208); box-shadow:4px 4px 4px 4px rgb(117, 129, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0365, 0.2341, 0.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 129, 208) }
```

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

```
.background{ background-color: rgb(117,  
129, 208) }
```

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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