

Converting Colors

$Y_{xy}(24.8229, 0.2369, 0.2235)$

Have a look what the booklet for
Yxy(24.8229, 0.2369, 0.2235)
contains.

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Color

Yxy(24.7317, 0.2367, 0.2231)

Conversions

Conversions Part 1

Format	Color
Hex	7385CB
RGB	115, 133, 203
RGB Percent	45%, 52%, 80%
CMY	0.5489, 0.4784, 0.2040
CMYK	0.43, 0.34, 0.00, 0.20
HSL	228°, 46%, 62%
HSV	228°, 43%, 80%
XYZ	26.2393, 24.7317, 59.8837
YIQ	135.5980, -33.1980, 17.9540

Conversions

Conversions Part 2

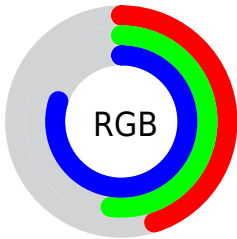
Format	Color
R _Y B	115, 130, 203
Decimal	7570891
CIE Lab	56.81, 11.72, -38.32
CIE LCh	57, 40.074, 287.003
Yxy	24.7317, 0.2367, 0.2231
Android (android.graphics.Color)	4285760971 (0xFF7385CB)
YUV	135.5980, 33.2292, -18.0644
Hunter-Lab	49.7310, 7.1519, -36.5826

Details

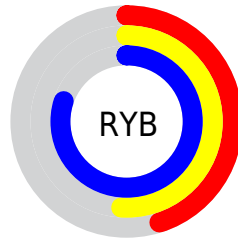
The Yxy color **24.7317, 0.2367, 0.2231** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.6439, 0.3854, 0.4159**, and the grayscale version is **24.3482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8839, 0.2549, 0.2485**, and **9.4394, 0.2113, 0.1922** is the 20% darker color. If you saturate the color by 10%, you get **19.4160, 0.2174, 0.1935**, and if you desaturate by 10%, it is **31.0324, 0.2559, 0.2514**.

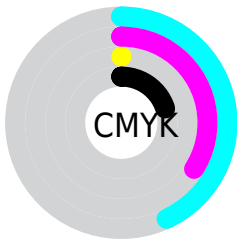
Distribution



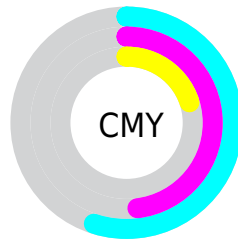
- Red (45%)
- Green (52%)
- Blue (80%)



- Red (45%)
- Yellow (51%)
- Blue (80%)



- Cyan (43%)
- Magenta (34%)
- Yellow (0%)
- Black (20%)



- Cyan (55%)
- Magenta (48%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7317, 0.2367, 0.2231 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 24.7317, 0.2367, 0.2231 by changing the saturation by 10% instead.

■ 24.7317, 0.2367,
0.2231

■ 24.7317, 0.2367,
0.2231

276.4991, 0.2777,
0.2780

■ 15.8773, 0.2257,
0.2091

■ 51.2216, 0.2522,
0.2433

■ 9.4374, 0.2113,
0.1913

■ 69.6259, 0.2578,
0.2508

■ 5.0275, 0.1918,
0.1678

■ 91.9823, 0.2625,
0.2572

■ 2.2634, 0.1643,
0.1361

118.6751, 0.2665,
0.2626

■ 0.7542, 0.1245,
0.0926

150.0888, 0.2699,
0.2672

■ 0.0000, 0.0000,
0.0000

186.6078, 0.2728,

0.2713

228.6165, 0.2754,
0.2748

■ 24.7317, 0.2367,
0.2231

■ 24.7317, 0.2367,
0.2231

■ 19.4160, 0.2174,
0.1935

■ 31.0324, 0.2559,
0.2514

■ 15.0316, 0.1991,
0.1639

■ 38.3628, 0.2745,
0.2776

■ 11.5234, 0.1827,
0.1357

■ 46.7678, 0.2918,
0.3014

■ 8.8291, 0.1694,
0.1106

■ 56.2891, 0.3077,
0.3225

■ 6.8773, 0.1599,
0.0902

■ 66.9658, 0.3222,
0.3412

■ 5.9286, 0.1554,
0.0795

■ 78.8354, 0.3351,
0.3574

■ 91.5275, 0.3452,
0.3718

■ 97.0913, 0.3436,
0.3800

Harmonies

Analogous

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



24.7317, 0.2014, 0.2312



24.7317, 0.2367, 0.2231



24.7317, 0.2952, 0.2376

Triad

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



24.7317, 0.2367, 0.2231



24.7317, 0.4503, 0.3688



24.7317, 0.2543, 0.3986

Complementary

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



24.7317, 0.2367, 0.2231



48.6439, 0.3854, 0.4159

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.



24.7317, 0.3177, 0.4485



24.7317, 0.2367, 0.2231



24.7317, 0.4328, 0.4183

Square

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



24.7317, 0.2367, 0.2231



24.7317, 0.4257, 0.3170



24.7317, 0.3832, 0.4519



24.7317, 0.2097, 0.3261

Rectangle

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



24.7317, 0.2367, 0.2231



24.7317, 0.3423, 0.2580



24.7317, 0.3832, 0.4519



24.7317, 0.2741, 0.4196

Sweetspot

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



24.7326, 0.2367, 0.2231



78.5541, 0.2921, 0.3017



49.8122, 0.2651, 0.3562



16.1043, 0.2883, 0.2966



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.



24.7326, 0.2367, 0.2231



33.0330, 0.2186, 0.1954



22.1526, 0.2539, 0.2029



11.2089, 0.2982, 0.3100



3.8793, 0.1560, 0.0815



0.3111, 0.1661, 0.1178

Inverse Universe

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



26.6581, 0.4016, 0.3059



37.4627, 0.4324, 0.3016



53.4188, 0.3553, 0.4432



11.2505, 0.3258, 0.3243



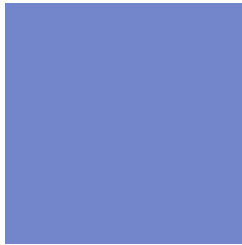
8.1946, 0.6046, 0.3104



0.4340, 0.5498, 0.2802

Previews

White Background



This preview shows how the Yxy color 24.7317, 0.2367, 0.2231 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 24.7317, 0.2367, 0.2231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

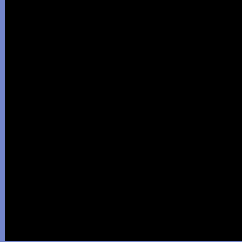
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7317, 0.2367, 0.2231

Background



This preview shows how black text looks on a background with the Yxy color 24.7317, 0.2367, 0.2231.

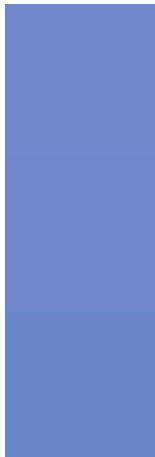


This preview shows how white text looks on a background with the Yxy color 24.7317, 0.2367, 0.2231.

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

24.7317, 0.2367, 0.2231

Protanopia

24.8546, 0.2341, 0.2229

Deuteranopia

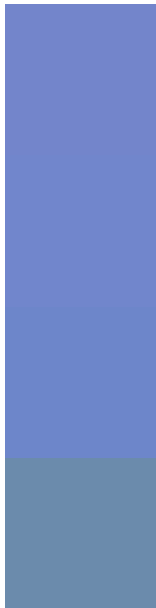
24.6564, 0.2313, 0.2257



Tritanopia

24.8028, 0.2636, 0.3093

Trichromacy



Original Color

24.7317, 0.2367, 0.2231

Protanomaly

24.9205, 0.2348, 0.2231

Deuteranomaly

24.5657, 0.2332, 0.2247

Tritanomaly

24.5696, 0.2530, 0.2733

Monochromacy



Original Color

24.7317, 0.2367, 0.2231

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4552, 0.2810, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7317, 0.2367, 0.2231 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(115, 133, 203)` looks like.

```
.text, #text, p{  
    color:rgb(115, 133, 203)  
}
```

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(115, 133, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 133, 203) }
```

Border

The CSS property to change the border of an element to Yxy 24.7317, 0.2367, 0.2231 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(115, 133, 203) }
```

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

```
.border{ border-color:rgb(115, 133, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 133, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 133, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 133, 203);  
box-shadow:4px 4px 4px 4px rgb(115, 133,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7317, 0.2367, 0.2231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 133, 203) }
```

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

```
.background{ background-color: rgb(115,  
133, 203) }
```

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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