

Converting Colors

$Y_{xy}(22.9849, 0.2386, 0.2118)$

Have a look what the booklet for
Yxy(22.9849, 0.2386, 0.2118)
contains.

Yxy(22.9721, 0.2385, 0.2119)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9721, 0.2385, 0.2119)

Conversions

Conversions Part 1

Format	Color
Hex	787DCB
RGB	120, 125, 203
RGB Percent	47%, 49%, 80%
CMY	0.5296, 0.5098, 0.2038
CMYK	0.41, 0.38, 0.00, 0.20
HSL	236°, 44%, 63%
HSV	236°, 41%, 80%
XYZ	25.8558, 22.9721, 59.5822
YIQ	132.3970, -28.0180, 23.1980

Conversions

Conversions Part 2

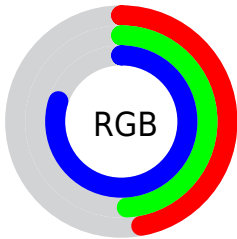
Format	Color
R_{YB}	120, 125, 203
Decimal	7896523
CIE _{Lab}	55.04, 17.75, -41.10
CIE _{LCh}	55, 44.768, 293.361
Yxy	22.9721, 0.2385, 0.2119
Android (android.graphics.Color)	4286086603 (0xFF787DCB)
YUV	132.3970, 34.8073, -10.8722
Hunter-Lab	47.9292, 12.4172, -40.1547

Details

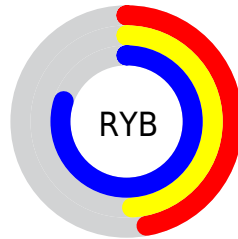
The Yxy color $22.9721, 0.2385, 0.2119$ is a dark color, and the websafe version is hex $9999FF$. A complement of this color would be $54.4260, 0.3756, 0.4240$, and the grayscale version is $23.1030, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7782, 0.2568, 0.2385$, and $8.4653, 0.2131, 0.1773$ is the 20% darker color. If you saturate the color by 10%, you get $17.2992, 0.2176, 0.1780$, and if you desaturate by 10%, it is $29.8810, 0.2590, 0.2447$.

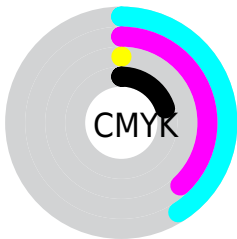
Distribution



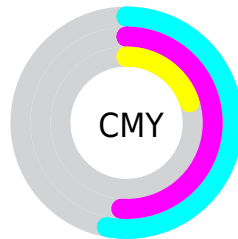
- Red (47%)
- Green (49%)
- Blue (80%)



- Red (47%)
- Yellow (49%)
- Blue (80%)



- Cyan (41%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)



- Cyan (53%)
- Magenta (51%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9721, 0.2385, 0.2119 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 22.9721, 0.2385, 0.2119 by changing the saturation by 10% instead.

■ 22.9721, 0.2385,
0.2119

■ 22.9721, 0.2385,
0.2119

267.5817, 0.2792,
0.2723

■ 14.5729, 0.2274,
0.1967

■ 48.3475, 0.2540,
0.2340

■ 8.5202, 0.2128,
0.1774

■ 66.0925, 0.2596,
0.2423

■ 4.4296, 0.1928,
0.1523

■ 87.7216, 0.2643,
0.2493

■ 1.9166, 0.1645,
0.1191

113.6191, 0.2682,
0.2552

■ 0.5584, 0.1238,
0.0713

144.1695, 0.2716,
0.2604

■ 0.0000, 0.0000,
0.0000

179.7571, 0.2744,

0.2649

220.7664, 0.2770,
0.2688

■ 22.9721, 0.2385,
0.2119

■ 22.9721, 0.2385,
0.2119

■ 17.2992, 0.2176,
0.1780

■ 29.8810, 0.2590,
0.2447

■ 12.7869, 0.1975,
0.1448

■ 38.0901, 0.2782,
0.2751

■ 9.3556, 0.1796,
0.1147

■ 47.6625, 0.2957,
0.3026

■ 6.9145, 0.1653,
0.0900

■ 58.6561, 0.3114,
0.3269

■ 5.3580, 0.1558,
0.0726

■ 71.1257, 0.3252,
0.3482

■ 4.5842, 0.1510,
0.0634

■ 85.1231, 0.3372,
0.3665

■ 97.0927, 0.3436,
0.3800

Harmonies

Analogous

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



22.9721, 0.1938, 0.2146



22.9721, 0.2385, 0.2119



22.9721, 0.3088, 0.2329

Triad

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



22.9721, 0.2385, 0.2119



22.9721, 0.4688, 0.3837



22.9721, 0.2328, 0.3921

Complementary

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



22.9721, 0.2385, 0.2119



54.4260, 0.3756, 0.4240

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.



22.9721, 0.3007, 0.4599



22.9721, 0.2385, 0.2119



22.9721, 0.4382, 0.4384

Square

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



22.9721, 0.2385, 0.2119



22.9721, 0.4521, 0.3260



22.9721, 0.3759, 0.4730



22.9721, 0.1897, 0.3076

Rectangle

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



22.9721, 0.2385, 0.2119



22.9721, 0.3634, 0.2580



22.9721, 0.3759, 0.4730



22.9721, 0.2533, 0.4191

Sweetspot

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



22.9729, 0.2385, 0.2119



77.6665, 0.2936, 0.2994



50.7639, 0.2601, 0.3365



16.1493, 0.2914, 0.2959



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.



22.9729, 0.2385, 0.2119



30.0472, 0.2202, 0.1823



24.7985, 0.2697, 0.2144



10.9517, 0.2982, 0.3065



2.9629, 0.1512, 0.0643



0.1921, 0.1552, 0.0786

Inverse Universe

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



27.6029, 0.4097, 0.3227



39.0635, 0.4428, 0.3216



52.2938, 0.3428, 0.4406



11.2246, 0.3281, 0.3276



8.1021, 0.6328, 0.3260



0.4219, 0.6092, 0.3130

Previews

White Background



This preview shows how the Yxy color 22.9721, 0.2385, 0.2119 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 22.9721, 0.2385, 0.2119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

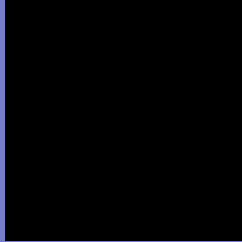
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9721, 0.2385, 0.2119

Background



This preview shows how black text looks on a background with the Yxy color 22.9721, 0.2385, 0.2119.



This preview shows how white text looks on a background with the Yxy color 22.9721, 0.2385, 0.2119.

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

22.9721, 0.2385, 0.2119

Protanopia

23.0891, 0.2246, 0.2099

Deuteranopia

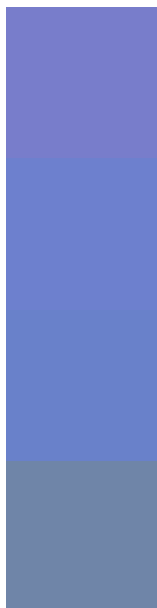
23.0383, 0.2240, 0.2177



Tritanopia

23.0936, 0.2707, 0.3090

Trichromacy



Original Color

22.9721, 0.2385, 0.2119

Protanomaly

23.1458, 0.2291, 0.2107

Deuteranomaly

22.9680, 0.2289, 0.2160

Tritanomaly

22.9817, 0.2580, 0.2694

Monochromacy



Original Color

22.9721, 0.2385, 0.2119

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.7583, 0.2823, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9721, 0.2385, 0.2119 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(120, 125, 203)` looks like.

```
.text, #text, p{  
    color:rgb(120, 125, 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(120, 125, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 125, 203) }
```

Border

The CSS property to change the border of an element to Yxy 22.9721, 0.2385, 0.2119 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(120, 125, 203) }
```

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

```
.border{ border-color:rgb(120, 125, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 125, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 125, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 125, 203);  
box-shadow:4px 4px 4px 4px rgb(120, 125,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9721, 0.2385, 0.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 125, 203) }
```

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

```
.background{ background-color: rgb(120,  
125, 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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