

Converting Colors

$Y_{xy}(23.5129, 0.2507, 0.2105)$

Have a look what the booklet for
Yxy(23.5129, 0.2507, 0.2105)
contains.

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Color

Yxy(23.5129, 0.2507, 0.2105)

Conversions

Conversions Part 1

Format	Color
Hex	887ACC
RGB	136, 122, 204
RGB Percent	53%, 48%, 80%
CMY	0.4669, 0.5215, 0.2000
CMYK	0.33, 0.40, 0.00, 0.20
HSL	250°, 45%, 64%
HSV	250°, 40%, 80%
XYZ	28.0032, 23.5129, 60.1841
YIQ	135.5340, -17.9780, 28.4700

Conversions

Conversions Part 2

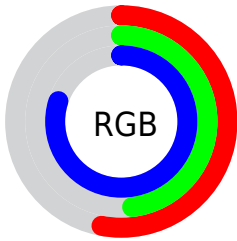
Format	Color
RYB	136, 122, 204
Decimal	8944332
CIELab	55.60, 24.10, -40.69
CIELCh	56, 47.294, 300.634
Yxy	23.5129, 0.2507, 0.2105
Android (android.graphics.Color)	4287134412 (0xFF887ACC)
YUV	135.5340, 33.7537, 0.4087
Hunter-Lab	48.4901, 18.2269, -39.6454

Details

The Yxy color **23.5129, 0.2507, 0.2105** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **55.5456, 0.3605, 0.4319**, and the grayscale version is **24.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9563, 0.2677, 0.2388**, and **8.7740, 0.2290, 0.1766** is the 20% darker color. If you saturate the color by 10%, you get **17.7108, 0.2316, 0.1767**, and if you desaturate by 10%, it is **30.5922, 0.2687, 0.2436**.

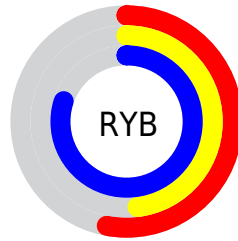
Distribution



Red (53%)

Green (48%)

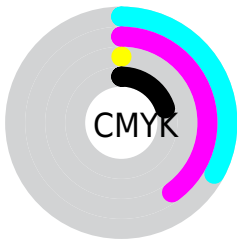
Blue (80%)



Red (53%)

Yellow (48%)

Blue (80%)

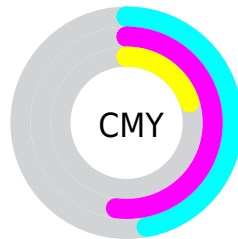


Cyan (33%)

Magenta (40%)

Yellow (0%)

Black (20%)



Cyan (47%)


Magenta (52%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5129, 0.2507, 0.2105 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 23.5129, 0.2507, 0.2105 by changing the saturation by 10% instead.


 23.5129, 0.2507,
0.2105


 23.5129, 0.2507,
0.2105


270.3485, 0.2851,
0.2709


 14.9727, 0.2412,
0.1955


 49.2341, 0.2640,
0.2325

 8.8002, 0.2284,
0.1765


 67.1840, 0.2687,
0.2407

 4.6111, 0.2109,
0.1520


 89.0391, 0.2726,
0.2477

 2.0209, 0.1855,
0.1197

115.1840, 0.2760,
0.2537

 0.6196, 0.1477,
0.0748

146.0030, 0.2788,
0.2589

 0.0000, 0.0395,
0.0000

181.8804, 0.2812,

 0.0000, 0.0000,

0.2634

0.0000

223.2008, 0.2833,
0.2674

■ 23.5129, 0.2507,
0.2105

■ 23.5129, 0.2507,
0.2105

■ 17.7108, 0.2316,
0.1767

■ 30.5922, 0.2687,
0.2436

■ 13.1065, 0.2124,
0.1439

■ 39.0165, 0.2851,
0.2747

■ 9.6157, 0.1941,
0.1144

■ 48.8518, 0.2998,
0.3031

■ 7.1417, 0.1782,
0.0904

■ 60.1591, 0.3125,
0.3286

■ 5.5710, 0.1656,
0.0737

■ 72.9957, 0.3235,
0.3511

■ 4.7100, 0.1571,
0.0639

■ 87.4158, 0.3329,
0.3708

■ 97.0440, 0.3426,
0.3791

■ 97.1393, 0.3430,
0.3790

Harmonies

Analogous

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



23.5129, 0.1975, 0.2068



23.5129, 0.2507, 0.2105



23.5129, 0.3289, 0.2376

Triad

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



23.5129, 0.2507, 0.2105



23.5129, 0.4719, 0.3995



23.5129, 0.2153, 0.3732

Complementary

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



23.5129, 0.2507, 0.2105



55.5456, 0.3605, 0.4319

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.



23.5129, 0.2808, 0.4542



23.5129, 0.2507, 0.2105



23.5129, 0.4296, 0.4543

Square

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



23.5129, 0.2507, 0.2105



23.5129, 0.4679, 0.3395



23.5129, 0.3593, 0.4825



23.5129, 0.1786, 0.2873

Rectangle

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



23.5129, 0.2507, 0.2105



23.5129, 0.3861, 0.2663



23.5129, 0.3593, 0.4825



23.5129, 0.2345, 0.4034

Sweetspot

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



23.5138, 0.2507, 0.2105



77.5024, 0.2970, 0.2977



45.4694, 0.2548, 0.3097



16.1113, 0.2951, 0.2941



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.



23.5138, 0.2507, 0.2105



30.6945, 0.2346, 0.1819



27.5932, 0.2895, 0.2224



10.9340, 0.3008, 0.3052



2.9927, 0.1580, 0.0644



0.1835, 0.1750, 0.0738

Inverse Universe

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



30.4831, 0.3316, 0.2456



43.8793, 0.3367, 0.2292



51.0103, 0.3270, 0.4441



11.3698, 0.3163, 0.3100



9.9040, 0.3687, 0.1805



0.5198, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 23.5129, 0.2507, 0.2105 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 23.5129, 0.2507, 0.2105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

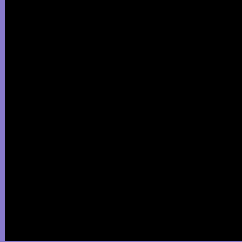
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5129, 0.2507, 0.2105

Background



This preview shows how black text looks on a background with the Yxy color 23.5129, 0.2507, 0.2105.



This preview shows how white text looks on a background with the Yxy color 23.5129, 0.2507, 0.2105.

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

23.5129, 0.2507, 0.2105

Protanopia

23.4932, 0.2221, 0.2069

Deuteranopia

23.7487, 0.2266, 0.2215



Tritanopia

23.5832, 0.2898, 0.3115

Trichromacy



Original Color

23.5129, 0.2507, 0.2105

Protanomaly

23.3102, 0.2313, 0.2081

Deuteranomaly

23.5230, 0.2341, 0.2165

Tritanomaly

23.3076, 0.2751, 0.2698

Monochromacy



Original Color

23.5129, 0.2507, 0.2105

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0400, 0.2879, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5129, 0.2507, 0.2105 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(136, 122, 204)` looks like.

```
.text, #text, p{  
    color:rgb(136, 122, 204)  
}
```

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(136, 122, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 122, 204) }
```

Border

The CSS property to change the border of an element to Yxy 23.5129, 0.2507, 0.2105 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(136, 122, 204) }
```

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

```
.border{ border-color:rgb(136, 122, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 122, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 122, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 122, 204);  
box-shadow:4px 4px 4px 4px rgb(136, 122,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5129, 0.2507, 0.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 122, 204) }
```

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

```
.background{ background-color: rgb(136,  
122, 204) }
```

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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