

Converting Colors

$Y_{xy}(22.4100, 0.2537, 0.1956)$

Have a look what the booklet for
Yxy(22.4100, 0.2537, 0.1956)
contains.

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Color

Yxy(22.4334, 0.2538, 0.1957)

Conversions

Conversions Part 1

Format	Color
Hex	9171D1
RGB	145, 113, 209
RGB Percent	57%, 44%, 82%
CMY	0.4312, 0.5569, 0.1805
CMYK	0.31, 0.46, 0.00, 0.18
HSL	260°, 51%, 63%
HSV	260°, 46%, 82%
XYZ	29.0935, 22.4334, 63.1047
YIQ	133.5120, -11.7440, 36.6400

Conversions

Conversions Part 2

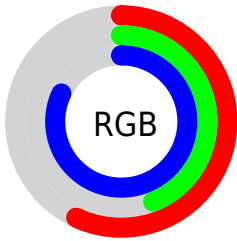
Format	Color
RYB	145, 113, 209
Decimal	9531857
CIELab	54.48, 33.16, -45.23
CIELCh	54, 56.079, 306.248
Yxy	22.4334, 0.2538, 0.1957
Android (android.graphics.Color)	4287721937 (0xFF9171D1)
YUV	133.5120, 37.2156, 10.0750
Hunter-Lab	47.3639, 26.7576, -45.8395

Details

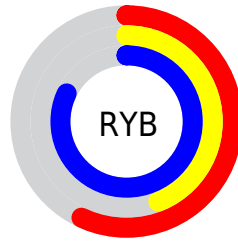
The Yxy color **22.4334, 0.2538, 0.1957** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.1222, 0.3535, 0.4520**, and the grayscale version is **23.5182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5478, 0.2741, 0.2295**, and **8.2240, 0.2316, 0.1590** is the 20% darker color. If you saturate the color by 10%, you get **17.1078, 0.2374, 0.1643**, and if you desaturate by 10%, it is **28.9891, 0.2693, 0.2276**.

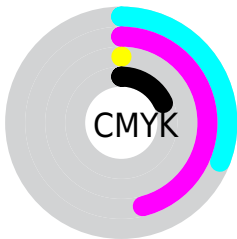
Distribution



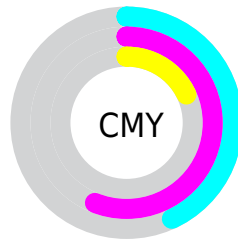
- Red (57%)
- Green (44%)
- Blue (82%)



- Red (57%)
- Yellow (44%)
- Blue (82%)



- Cyan (31%)
- Magenta (46%)
- Yellow (0%)
- Black (18%)





- Cyan (43%)
- Magenta (56%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4334, 0.2538, 0.1957 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 22.4334, 0.2538, 0.1957 by changing the saturation by 10% instead.


 22.4334, 0.2538,
0.1957


 22.4334, 0.2538,
0.1957


264.8013, 0.2872,
0.2626

 14.1757, 0.2444,
0.1795


 47.4613, 0.2668,
0.2197

 8.2430, 0.2318,
0.1594


 65.0002, 0.2714,
0.2289

 4.2508, 0.2143,
0.1338


 86.4018, 0.2752,
0.2366

 1.8148, 0.1890,
0.1012

 112.0502, 0.2784,
0.2433

 0.4964, 0.1519,
0.0553

142.3300, 0.2811,
0.2491

 0.0000, 0.0622,
0.0000

177.6255, 0.2834,

 0.0000, 0.0000,

0.2541

0.0000

218.3212, 0.2854,
0.2586

■ 22.4334, 0.2538,
0.1957

■ 22.4334, 0.2538,
0.1957

■ 17.1078, 0.2374,
0.1643

■ 28.9891, 0.2693,
0.2276

■ 12.9295, 0.2207,
0.1350

■ 36.8453, 0.2834,
0.2585

■ 9.8092, 0.2047,
0.1098

■ 46.0699, 0.2960,
0.2876

■ 7.6424, 0.1902,
0.0902

■ 56.7253, 0.3070,
0.3143

■ 6.3005, 0.1781,
0.0772

■ 68.8700, 0.3164,
0.3385

■ 5.8961, 0.1738,
0.0731

■ 82.5593, 0.3244,
0.3601

■ 95.0856, 0.3317,
0.3753

■ 97.3824, 0.3400,
0.3741

Harmonies

Analogous

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



22.4334, 0.1872, 0.1856



22.4334, 0.2538, 0.1957



22.4334, 0.3503, 0.2307

Triad

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



22.4334, 0.2538, 0.1957



22.4334, 0.4935, 0.4187



22.4334, 0.1862, 0.3599

Complementary

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



22.4334, 0.2538, 0.1957



56.1222, 0.3535, 0.4520

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.



22.4334, 0.2557, 0.4688



22.4334, 0.2538, 0.1957



22.4334, 0.4327, 0.4838

Square

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



22.4334, 0.2538, 0.1957



22.4334, 0.5040, 0.3497



22.4334, 0.3461, 0.5151



22.4334, 0.1530, 0.2610

Rectangle

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



22.4334, 0.2538, 0.1957



22.4334, 0.4188, 0.2653



22.4334, 0.3461, 0.5151



22.4334, 0.2057, 0.3985

Sweetspot

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



22.4342, 0.2538, 0.1957



75.0651, 0.2981, 0.2925



39.5505, 0.2436, 0.2830



15.3322, 0.2955, 0.2864



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.



22.4342, 0.2538, 0.1957



27.0615, 0.2379, 0.1652



27.7460, 0.3014, 0.2122



11.6067, 0.3033, 0.3053



3.6846, 0.1752, 0.0739



0.2491, 0.1960, 0.0853

Inverse Universe

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



28.5324, 0.3532, 0.2512



38.0272, 0.3653, 0.2365



51.4494, 0.3166, 0.4678



11.9391, 0.3188, 0.3136



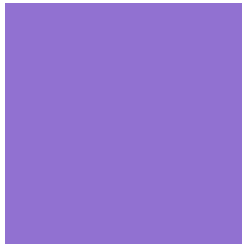
9.5301, 0.4267, 0.2124



0.5473, 0.4025, 0.1991

Previews

White Background



This preview shows how the Yxy color 22.4334, 0.2538, 0.1957 looks on a white background.

Color Contrast Check

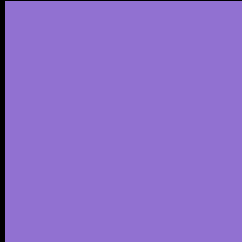
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4334, 0.2538, 0.1957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

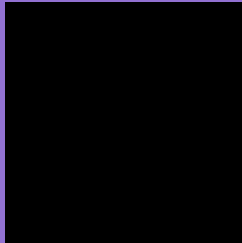
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4334, 0.2538, 0.1957

Background



This preview shows how black text looks on a background with the Yxy color 22.4334, 0.2538, 0.1957.



This preview shows how white text looks on a background with the Yxy color 22.4334, 0.2538, 0.1957.

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

22.4334, 0.2538, 0.1957

Protanopia

22.6263, 0.2086, 0.1889

Deuteranopia

22.5467, 0.2177, 0.2114



Tritanopia

22.3899, 0.3044, 0.3116

Trichromacy



Original Color

22.4334, 0.2538, 0.1957

Protanomaly

22.2438, 0.2220, 0.1906

Deuteranomaly

22.1865, 0.2287, 0.2048

Tritanomaly

22.0805, 0.2845, 0.2624

Monochromacy



Original Color

22.4334, 0.2538, 0.1957

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.8982, 0.2897, 0.2722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4334, 0.2538, 0.1957 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(145, 113, 209)` looks like.

```
.text, #text, p{  
    color:rgb(145, 113, 209)  
}
```

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(145, 113, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 113, 209) }
```

Border

The CSS property to change the border of an element to Yxy 22.4334, 0.2538, 0.1957 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(145, 113, 209) }
```

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

```
.border{ border-color:rgb(145, 113, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 113, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 113, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 113, 209);  
box-shadow:4px 4px 4px 4px rgb(145, 113,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4334, 0.2538, 0.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 113, 209) }
```

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

```
.background{ background-color: rgb(145,  
113, 209) }
```

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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