

Converting Colors

Yxy(21.9746, 0.2397, 0.1683)

Have a look what the booklet for
Yxy(21.9746, 0.2397, 0.1683)
contains.

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Color

Yxy(22.0194, 0.2397, 0.1683)

Conversions

Conversions Part 1

Format	Color
Hex	9369E6
RGB	147, 105, 230
RGB Percent	58%, 41%, 90%
CMY	0.4237, 0.5881, 0.0981
CMYK	0.36, 0.54, 0.00, 0.10
HSL	260°, 71%, 66%
HSV	260°, 54%, 90%
XYZ	31.3610, 22.0194, 77.4539
YIQ	131.8080, -15.0930, 47.7790

Conversions

Conversions Part 2

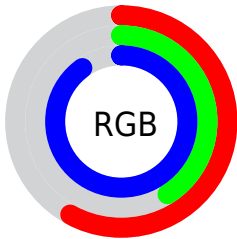
Format	Color
R_{YB}	147, 105, 230
Decimal	9660902
CIE _{Lab}	54.05, 43.58, -57.76
CIE _{LCh}	54, 72.356, 307.030
Y _{xy}	22.0194, 0.2397, 0.1683
Android (android.graphics.Color)	4287850982 (0xFF9369E6)
YUV	131.8080, 48.4087, 13.3234
Hunter-Lab	46.9248, 37.1773, -65.0164

Details

The Yxy color **22.0194, 0.2397, 0.1683** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **68.3073, 0.3590, 0.4752**, and the grayscale version is **22.8289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3131, 0.2766, 0.2217**, and **8.0580, 0.2133, 0.1295** is the 20% darker color. If you saturate the color by 10%, you get **16.6309, 0.2230, 0.1385**, and if you desaturate by 10%, it is **28.8637, 0.2561, 0.2000**.

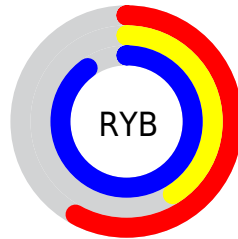
Distribution



Red (58%)

Green (41%)

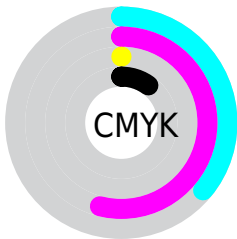
Blue (90%)



Red (58%)

Yellow (41%)

Blue (90%)

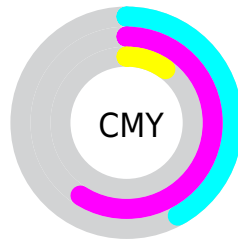


Cyan (36%)

Magenta (54%)

Yellow (0%)

Black (10%)



Cyan (42%)


Magenta (59%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0194, 0.2397, 0.1683 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 22.0194, 0.2397, 0.1683 by changing the saturation by 10% instead.


 22.0194, 0.2397,
0.1683


 22.0194, 0.2397,
0.1683


262.6476, 0.2808,
0.2458


 13.8712, 0.2285,
0.1508


 46.7781, 0.2554,
0.1953

 8.0311, 0.2139,
0.1296

 64.1573, 0.2611,
0.2058

 4.1149, 0.1943,
0.1040


 85.3822, 0.2658,
0.2149

 1.7380, 0.1672,
0.0737

 110.8374, 0.2698,
0.2227

 0.4481, 0.1302,
0.0349

140.9071, 0.2732,
0.2296

 0.0000, 0.0706,
0.0000

175.9758, 0.2761,

 0.0000, 0.0000,

0.2356

0.0000

216.4278, 0.2786,
0.2410

■ 22.0194, 0.2397,
0.1683

■ 22.0194, 0.2397,
0.1683

■ 16.6309, 0.2230,
0.1385

■ 28.8637, 0.2561,
0.2000

■ 12.5839, 0.2067,
0.1126

■ 37.2615, 0.2715,
0.2320

■ 9.7498, 0.1920,
0.0922


■ 47.3044, 0.2854,
0.2629


■ 7.9722, 0.1795,
0.0784


■ 59.0762, 0.2978,
0.2918

■ 7.2984, 0.1736,
0.0730

■ 72.6549, 0.3085,
0.3183

 88.1136, 0.3178,
0.3422

 98.2896, 0.3267,
0.3533

 98.4927, 0.3274,
0.3532

Harmonies

Analogous

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



22.0194, 0.1607, 0.1550



22.0194, 0.2397, 0.1683



22.0194, 0.3621, 0.2095

Triad

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



22.0194, 0.2397, 0.1683



22.0194, 0.5309, 0.4272



22.0194, 0.1521, 0.3614

Complementary

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



22.0194, 0.2397, 0.1683



68.3073, 0.3590, 0.4752

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.



22.0194, 0.2320, 0.5155



22.0194, 0.2397, 0.1683



22.0194, 0.4477, 0.5150

Square

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



22.0194, 0.2397, 0.1683



22.0194, 0.5558, 0.3459



22.0194, 0.3403, 0.5714



22.0194, 0.1184, 0.2355

Rectangle

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



22.0194, 0.2397, 0.1683



22.0194, 0.4520, 0.2498



22.0194, 0.3403, 0.5714



22.0194, 0.1737, 0.4151

Sweetspot

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



22.0202, 0.2397, 0.1683



71.8910, 0.2958, 0.2869



44.8273, 0.2320, 0.2725



14.7065, 0.2933, 0.2810



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.



22.0202, 0.2397, 0.1683



20.4152, 0.2212, 0.1356



29.3996, 0.2981, 0.1919



14.1210, 0.3032, 0.3051



4.1923, 0.1751, 0.0738



0.3593, 0.1911, 0.0826

Inverse Universe

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



30.5624, 0.3643, 0.2381



32.5872, 0.3795, 0.2241



62.0338, 0.3161, 0.4974



14.5287, 0.3189, 0.3135



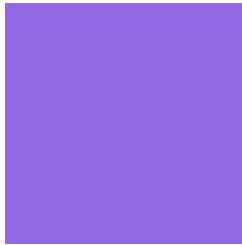
10.8464, 0.4279, 0.2131



0.8186, 0.4083, 0.2023

Previews

White Background



This preview shows how the Yxy color 22.0194, 0.2397, 0.1683 looks on a white background.

Color Contrast Check

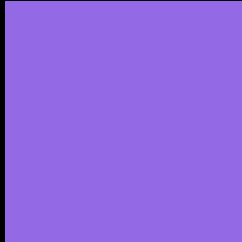
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0194, 0.2397, 0.1683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

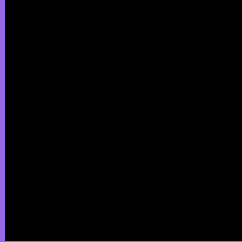
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0194, 0.2397, 0.1683

Background



This preview shows how black text looks on a background with the Yxy color 22.0194, 0.2397, 0.1683.



This preview shows how white text looks on a background with the Yxy color 22.0194, 0.2397, 0.1683.

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

22.0194, 0.2397, 0.1683

Protanopia

22.4445, 0.1841, 0.1570

Deuteranopia

22.3445, 0.1932, 0.1878



Tritanopia

21.8916, 0.3010, 0.3096

Trichromacy



Original Color

22.0194, 0.2397, 0.1683



Protanomaly

21.5026, 0.1966, 0.1584



Deuteranomaly

21.4363, 0.2037, 0.1774



Tritanomaly

21.5624, 0.2756, 0.2460

Monochromacy



Original Color

22.0194, 0.2397, 0.1683



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

22.0646, 0.2817, 0.2553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0194, 0.2397, 0.1683 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(147, 105, 230)` looks like.

```
.text, #text, p{  
    color:rgb(147, 105, 230)  
}
```

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(147, 105, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 105, 230) }
```

Border

The CSS property to change the border of an element to Yxy 22.0194, 0.2397, 0.1683 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(147, 105, 230) }
```

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

```
.border{ border-color:rgb(147, 105, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 105, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 105, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 105, 230);  
box-shadow:4px 4px 4px 4px rgb(147, 105,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0194, 0.2397, 0.1683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 105, 230) }
```

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

```
.background{ background-color: rgb(147,  
105, 230) }
```

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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