

Converting Colors

$Y_{xy}(22.3468, 0.2678, 0.1953)$

Have a look what the booklet for
Yxy(22.3468, 0.2678, 0.1953)
contains.

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Color

Yxy(22.2895, 0.2671, 0.1944)

Conversions

Conversions Part 1

Format	Color
Hex	9E6BCF
RGB	158, 107, 207
RGB Percent	62%, 42%, 81%
CMY	0.3804, 0.5804, 0.1881
CMYK	0.24, 0.48, 0.00, 0.19
HSL	271°, 51%, 62%
HSV	271°, 48%, 81%
XYZ	30.6251, 22.2895, 61.7433
YIQ	133.6490, -1.7040, 41.9120

Conversions

Conversions Part 2

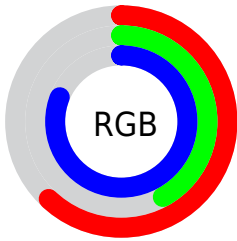
Format	Color
RYB	158, 107, 207
Decimal	10382287
CIELab	54.33, 39.62, -44.28
CIELCh	54, 59.417, 311.824
Yxy	22.2895, 0.2671, 0.1944
Android (android.graphics.Color)	4288572367 (0xFF9E6BCF)
YUV	133.6490, 36.1620, 21.3558
Hunter-Lab	47.2118, 33.1681, -44.4909

Details

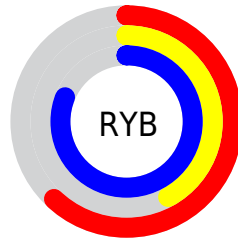
The Yxy color **22.2895, 0.2671, 0.1944** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **52.7752, 0.3408, 0.4649**, and the grayscale version is **23.5707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8087, 0.2847, 0.2272**, and **8.1363, 0.2489, 0.1578** is the 20% darker color. If you saturate the color by 10%, you get **17.4915, 0.2545, 0.1661**, and if you desaturate by 10%, it is **28.2076, 0.2788, 0.2239**.

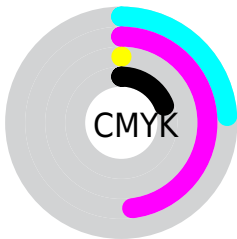
Distribution



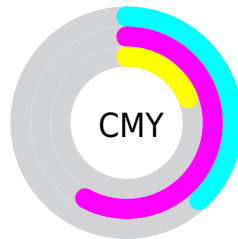
- Red (62%)
- Green (42%)
- Blue (81%)



- Red (62%)
- Yellow (42%)
- Blue (81%)



- Cyan (24%)
- Magenta (48%)
- Yellow (0%)
- Black (19%)




- Cyan (38%)
- Magenta (58%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2895, 0.2671, 0.1944 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 22.2895, 0.2671, 0.1944 by changing the saturation by 10% instead.


 22.2895, 0.2671,
0.1944


 22.2895, 0.2671,
0.1944


264.0544, 0.2938,
0.2615


 14.0698, 0.2593,
0.1783


 47.2240, 0.2777,
0.2185


 8.1692, 0.2487,
0.1582


 64.7076, 0.2814,
0.2276

 4.2034, 0.2336,
0.1327


 86.0479, 0.2844,
0.2354

 1.7880, 0.2111,
0.1004

 111.6294, 0.2870,
0.2421

 0.4797, 0.1772,
0.0542

141.8363, 0.2891,
0.2479

 0.0000, 0.1022,
0.0000

177.0532, 0.2909,

 0.0000, 0.0000,

0.2530

0.0000

217.6645, 0.2925,
0.2575

■ 22.2895, 0.2671,
0.1944

■ 22.2895, 0.2671,
0.1944

■ 17.4915, 0.2545,
0.1661

■ 28.2076, 0.2788,
0.2239

■ 13.7339, 0.2415,
0.1404

■ 35.3126, 0.2894,
0.2533

■ 10.9303, 0.2286,
0.1188


■ 43.6693, 0.2988,
0.2817


■ 8.9786, 0.2164,
0.1023

■ 53.3366, 0.3069,
0.3084


■ 7.7252, 0.2053,
0.0911

■ 64.3698, 0.3138,
0.3330

 7.5450, 0.2035,
0.0895

 76.8210, 0.3196,
0.3554

 90.7394, 0.3245,
0.3756

 94.4086, 0.3307,
0.3776

 96.2263, 0.3374,
0.3766

Harmonies

Analogous

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



22.2895, 0.1911, 0.1787



22.2895, 0.2671, 0.1944



22.2895, 0.3729, 0.2350

Triad

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



22.2895, 0.2671, 0.1944



22.2895, 0.4934, 0.4344



22.2895, 0.1699, 0.3387

Complementary

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



22.2895, 0.2671, 0.1944



52.7752, 0.3408, 0.4649

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.



22.2895, 0.2356, 0.4599



22.2895, 0.2671, 0.1944



22.2895, 0.4215, 0.5015

Square

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



22.2895, 0.2671, 0.1944



22.2895, 0.5178, 0.3619



22.2895, 0.3281, 0.5255



22.2895, 0.1431, 0.2419

Rectangle

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



22.2895, 0.2671, 0.1944



22.2895, 0.4436, 0.2729



22.2895, 0.3281, 0.5255



22.2895, 0.1876, 0.3795

Sweetspot

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



22.2904, 0.2671, 0.1944



76.1312, 0.3023, 0.2930



31.7510, 0.2355, 0.2545



15.5909, 0.3005, 0.2871



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.



22.2904, 0.2671, 0.1944



27.7646, 0.2540, 0.1651



28.2913, 0.3182, 0.2130



11.7097, 0.3061, 0.3055



4.8083, 0.2049, 0.0903



0.3160, 0.2249, 0.1012

Inverse Universe

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



26.1855, 0.3785, 0.2679



35.0745, 0.4004, 0.2567



48.8304, 0.3056, 0.4808



11.9034, 0.3215, 0.3177



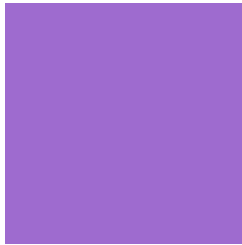
8.9743, 0.4987, 0.2521



0.5178, 0.4574, 0.2294

Previews

White Background



This preview shows how the Yxy color 22.2895, 0.2671, 0.1944 looks on a white background.

Color Contrast Check

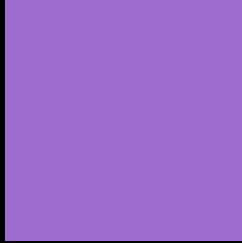
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2895, 0.2671, 0.1944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

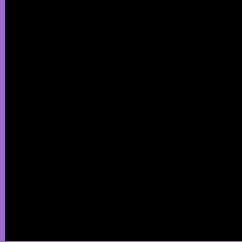
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2895, 0.2671, 0.1944

Background



This preview shows how black text looks on a background with the Yxy color 22.2895, 0.2671, 0.1944.



This preview shows how white text looks on a background with the Yxy color 22.2895, 0.2671, 0.1944.

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

22.2895, 0.2671, 0.1944

Protanopia

22.5934, 0.2053, 0.1854

Deuteranopia

22.5048, 0.2205, 0.2152



Tritanopia

22.1563, 0.3268, 0.3123

Trichromacy



Original Color

22.2895, 0.2671, 0.1944

Protanomaly

21.9396, 0.2223, 0.1872

Deuteranomaly

21.9917, 0.2340, 0.2053

Tritanomaly

22.0141, 0.3030, 0.2617

Monochromacy



Original Color

22.2895, 0.2671, 0.1944

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.8282, 0.2951, 0.2698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2895, 0.2671, 0.1944 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(158, 107, 207)` looks like.

```
.text, #text, p{  
    color:rgb(158, 107, 207)  
}
```

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(158, 107, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 107, 207) }
```

Border

The CSS property to change the border of an element to Yxy 22.2895, 0.2671, 0.1944 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(158, 107, 207) }
```

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

```
.border{ border-color:rgb(158, 107, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 107, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 107, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 107, 207);  
box-shadow:4px 4px 4px 4px rgb(158, 107,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2895, 0.2671, 0.1944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 107, 207) }
```

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

```
.background{ background-color: rgb(158,  
107, 207) }
```

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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