

Converting Colors

$Y_{xy}(22.5098, 0.2701, 0.1941)$

Have a look what the booklet for
Yxy(22.5098, 0.2701, 0.1941)
contains.

Yxy(22.5435, 0.2702, 0.1938)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.5435, 0.2702, 0.1938)

Conversions

Conversions Part 1

Format	Color
Hex	A26AD0
RGB	162, 106, 208
RGB Percent	64%, 42%, 82%
CMY	0.3648, 0.5842, 0.1844
CMYK	0.22, 0.49, 0.00, 0.18
HSL	273°, 52%, 62%
HSV	273°, 49%, 82%
XYZ	31.4306, 22.5435, 62.3494
YIQ	134.3720, 0.6340, 43.5940

Conversions

Conversions Part 2

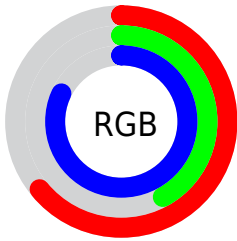
Format	Color
RYB	162, 106, 208
Decimal	10644176
CIELab	54.60, 41.45, -44.36
CIELCh	55, 60.714, 313.061
Yxy	22.5435, 0.2702, 0.1938
Android (android.graphics.Color)	4288834256 (0xFFA26AD0)
YUV	134.3720, 36.2986, 24.2298
Hunter-Lab	47.4800, 35.0727, -44.6220

Details

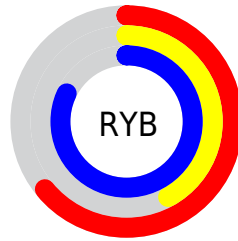
The Yxy color **22.5435, 0.2702, 0.1938** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **52.8171, 0.3380, 0.4684**, and the grayscale version is **23.8488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0763, 0.2878, 0.2271**, and **8.3164, 0.2533, 0.1578** is the 20% darker color. If you saturate the color by 10%, you get **17.8176, 0.2586, 0.1663**, and if you desaturate by 10%, it is **28.3839, 0.2810, 0.2227**.

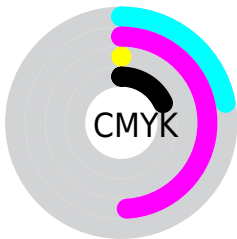
Distribution



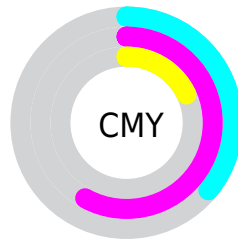
- Red (64%)
- Green (42%)
- Blue (82%)



- Red (64%)
- Yellow (42%)
- Blue (82%)



- Cyan (22%)
- Magenta (49%)
- Yellow (0%)
- Black (18%)




- Cyan (36%)
- Magenta (58%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5435, 0.2702, 0.1938 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 22.5435, 0.2702, 0.1938 by changing the saturation by 10% instead.


 22.5435, 0.2702,
0.1938


 22.5435, 0.2702,
0.1938


265.3716, 0.2953,
0.2610


 14.2568, 0.2628,
0.1777


 47.6427, 0.2802,
0.2178


 8.2995, 0.2527,
0.1577

 65.2239, 0.2837,
0.2270

 4.2872, 0.2383,
0.1325


 86.6721, 0.2865,
0.2348

 1.8355, 0.2169,
0.1005

 112.3717, 0.2889,
0.2415

 0.5091, 0.1841,
0.0558

142.7070, 0.2909,
0.2473

 0.0000, 0.1171,
0.0000

178.0625, 0.2926,

 0.0000, 0.0000,

0.2524

0.0000

218.8226, 0.2940,
0.2569

■ 22.5435, 0.2702,
0.1938

■ 22.5435, 0.2702,
0.1938

■ 17.8176, 0.2586,
0.1663

■ 28.3839, 0.2810,
0.2227

■ 14.1255, 0.2465,
0.1415

■ 35.4064, 0.2908,
0.2517

■ 11.3796, 0.2344,
0.1209

■ 43.6763, 0.2995,
0.2799

■ 9.4756, 0.2230,
0.1053

■ 53.2531, 0.3069,
0.3066

■ 8.2442, 0.2124,
0.0948

■ 64.1928, 0.3133,
0.3313

■ 8.1375, 0.2114,
0.0938

■ 76.5475, 0.3186,
0.3540

■ 90.3671, 0.3231,
0.3745

■ 94.0858, 0.3288,
0.3769

■ 95.7444, 0.3349,
0.3759

Harmonies

Analogous

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



22.5435, 0.1918, 0.1768



22.5435, 0.2702, 0.1938



22.5435, 0.3785, 0.2358

Triad

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



22.5435, 0.2702, 0.1938



22.5435, 0.4935, 0.4383



22.5435, 0.1658, 0.3337

Complementary

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



22.5435, 0.2702, 0.1938



52.8171, 0.3380, 0.4684

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.



22.5435, 0.2306, 0.4580



22.5435, 0.2702, 0.1938



22.5435, 0.4189, 0.5062

Square

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



22.5435, 0.2702, 0.1938



22.5435, 0.5214, 0.3647



22.5435, 0.3237, 0.5285



22.5435, 0.1405, 0.2372

Rectangle

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



22.5435, 0.2702, 0.1938



22.5435, 0.4499, 0.2745



22.5435, 0.3237, 0.5285



22.5435, 0.1830, 0.3751

Sweetspot

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



22.5444, 0.2702, 0.1938



74.8487, 0.3025, 0.2904



30.5986, 0.2334, 0.2478



15.3489, 0.3008, 0.2846



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.



22.5444, 0.2702, 0.1938



27.8092, 0.2577, 0.1645



28.1069, 0.3218, 0.2147



11.7327, 0.3067, 0.3056



5.1315, 0.2128, 0.0946



0.3337, 0.2319, 0.1051

Inverse Universe

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



25.9879, 0.3852, 0.2718



34.2676, 0.4101, 0.2615



49.2764, 0.3037, 0.4784



11.8957, 0.3221, 0.3186



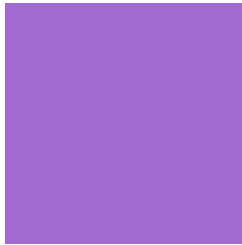
8.8790, 0.5149, 0.2610



0.5124, 0.4703, 0.2365

Previews

White Background



This preview shows how the Yxy color 22.5435, 0.2702, 0.1938 looks on a white background.

Color Contrast Check

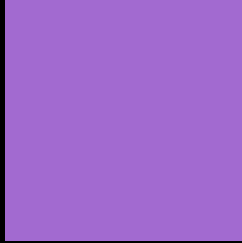
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5435, 0.2702, 0.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

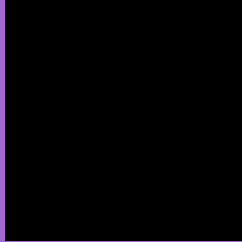
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5435, 0.2702, 0.1938

Background



This preview shows how black text looks on a background with the Yxy color 22.5435, 0.2702, 0.1938.



This preview shows how white text looks on a background with the Yxy color 22.5435, 0.2702, 0.1938.

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

22.5435, 0.2702, 0.1938

Protanopia

23.0182, 0.2044, 0.1840

Deuteranopia

22.8716, 0.2209, 0.2158



Tritanopia

22.4983, 0.3329, 0.3142

Trichromacy



Original Color

22.5435, 0.2702, 0.1938



Protanomaly

22.2308, 0.2221, 0.1849



Deuteranomaly

22.1784, 0.2349, 0.2047



Tritanomaly

22.1307, 0.3087, 0.2625

Monochromacy



Original Color

22.5435, 0.2702, 0.1938



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.9178, 0.2962, 0.2700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5435, 0.2702, 0.1938 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(162, 106, 208)` looks like.

```
.text, #text, p{  
    color:rgb(162, 106, 208)  
}
```

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(162, 106, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 106, 208) }
```

Border

The CSS property to change the border of an element to Yxy 22.5435, 0.2702, 0.1938 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(162, 106, 208) }
```

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

```
.border{ border-color:rgb(162, 106, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 106, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 106, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 106, 208);  
box-shadow:4px 4px 4px 4px rgb(162, 106,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5435, 0.2702, 0.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 106, 208) }
```

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

```
.background{ background-color: rgb(162,  
106, 208) }
```

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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