

Converting Colors

$Y_{xy}(22.5738, 0.2719, 0.1943)$

Have a look what the booklet for
Yxy(22.5738, 0.2719, 0.1943)
contains.

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Color

Yxy(22.5996, 0.2721, 0.1951)

Conversions

Conversions Part 1

Format	Color
Hex	A36ACF
RGB	163, 106, 207
RGB Percent	64%, 42%, 81%
CMY	0.3608, 0.5843, 0.1883
CMYK	0.21, 0.49, 0.00, 0.19
HSL	274°, 51%, 61%
HSV	274°, 49%, 81%
XYZ	31.5190, 22.5996, 61.7174
YIQ	134.5570, 1.5510, 43.4950

Conversions

Conversions Part 2

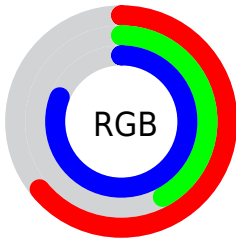
Format	Color
RYB	163, 106, 207
Decimal	10709711
CIELab	54.66, 41.53, -43.69
CIELCh	55, 60.280, 313.542
Yxy	22.5996, 0.2721, 0.1951
Android (android.graphics.Color)	4288899791 (0xFFA36ACF)
YUV	134.5570, 35.7144, 24.9445
Hunter-Lab	47.5390, 35.1544, -43.6957

Details

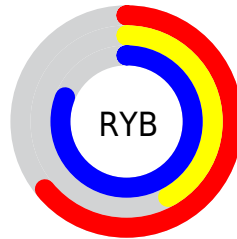
The Yxy color **22.5996, 0.2721, 0.1951** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **52.1374, 0.3366, 0.4682**, and the grayscale version is **23.9223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2319, 0.2886, 0.2273**, and **8.3466, 0.2558, 0.1594** is the 20% darker color. If you saturate the color by 10%, you get **17.9189, 0.2609, 0.1678**, and if you desaturate by 10%, it is **28.3793, 0.2825, 0.2238**.

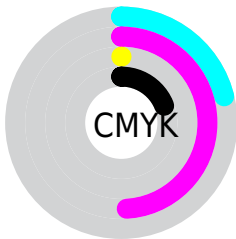
Distribution



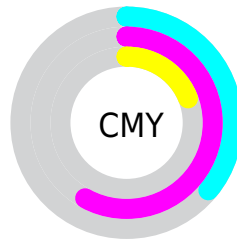
- Red (64%)
- Green (42%)
- Blue (81%)



- Red (64%)
- Yellow (42%)
- Blue (81%)



- Cyan (21%)
- Magenta (49%)
- Yellow (0%)
- Black (19%)




- Cyan (36%)
- Magenta (58%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5996, 0.2721, 0.1951 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 22.5996, 0.2721, 0.1951 by changing the saturation by 10% instead.


 22.5996, 0.2721,
0.1951


 22.5996, 0.2721,
0.1951


265.6617, 0.2962,
0.2617


 14.2981, 0.2650,
0.1791


 47.7350, 0.2817,
0.2189


 8.3283, 0.2552,
0.1593


 65.3378, 0.2851,
0.2280

 4.3057, 0.2412,
0.1341


 86.8098, 0.2878,
0.2357

 1.8460, 0.2203,
0.1021

 112.5353, 0.2901,
0.2424

 0.5156, 0.1881,
0.0573

142.8989, 0.2920,
0.2481

 0.0000, 0.1218,
0.0000

178.2849, 0.2936,

 0.0000, 0.0000,

0.2532

0.0000

219.0777, 0.2950,
0.2577

■ 22.5996, 0.2721,
0.1951

■ 22.5996, 0.2721,
0.1951

■ 17.9189, 0.2609,
0.1678

■ 28.3793, 0.2825,
0.2238

■ 14.2578, 0.2492,
0.1433

■ 35.3244, 0.2919,
0.2526

■ 11.5301, 0.2375,
0.1228


■ 43.4993, 0.3002,
0.2807


■ 9.6335, 0.2263,
0.1073


■ 52.9625, 0.3073,
0.3072


■ 8.4057, 0.2160,
0.0968

■ 63.7690, 0.3134,
0.3319

 8.2747, 0.2148,
0.0957

 75.9703, 0.3185,
0.3545

 89.6153, 0.3227,
0.3750

 93.7056, 0.3281,
0.3781

 95.2800, 0.3340,
0.3772

Harmonies

Analogous

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



22.5996, 0.1935, 0.1777



22.5996, 0.2721, 0.1951



22.5996, 0.3798, 0.2373

Triad

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



22.5996, 0.2721, 0.1951



22.5996, 0.4916, 0.4391



22.5996, 0.1661, 0.3318

Complementary

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



22.5996, 0.2721, 0.1951



52.1374, 0.3366, 0.4682

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.



22.5996, 0.2300, 0.4550



22.5996, 0.2721, 0.1951



22.5996, 0.4171, 0.5059

Square

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



22.5996, 0.2721, 0.1951



22.5996, 0.5200, 0.3659



22.5996, 0.3223, 0.5265



22.5996, 0.1415, 0.2368

Rectangle

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



22.5996, 0.2721, 0.1951



22.5996, 0.4504, 0.2759



22.5996, 0.3223, 0.5265



22.5996, 0.1831, 0.3727

Sweetspot

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



22.6005, 0.2721, 0.1951



74.9534, 0.3029, 0.2904



29.8448, 0.2333, 0.2457



15.3741, 0.3013, 0.2847



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.



22.6005, 0.2721, 0.1951



28.1120, 0.2598, 0.1654



27.8325, 0.3235, 0.2168



11.7422, 0.3069, 0.3056



5.2716, 0.2161, 0.0964



0.3412, 0.2348, 0.1067

Inverse Universe

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



25.7730, 0.3868, 0.2740



34.1766, 0.4131, 0.2639



48.8281, 0.3028, 0.4750



11.8925, 0.3223, 0.3189



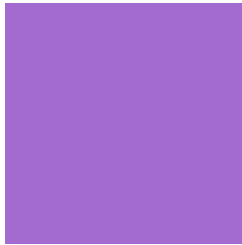
8.8427, 0.5215, 0.2647



0.5102, 0.4756, 0.2394

Previews

White Background



This preview shows how the Yxy color 22.5996, 0.2721, 0.1951 looks on a white background.

Color Contrast Check

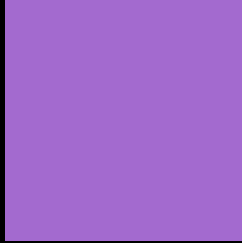
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5996, 0.2721, 0.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

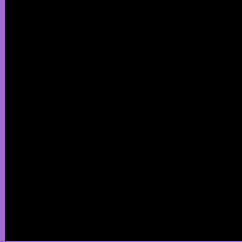
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5996, 0.2721, 0.1951

Background



This preview shows how black text looks on a background with the Yxy color 22.5996, 0.2721, 0.1951.



This preview shows how white text looks on a background with the Yxy color 22.5996, 0.2721, 0.1951.

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

22.5996, 0.2721, 0.1951

Protanopia

23.0106, 0.2053, 0.1851

Deuteranopia

22.9298, 0.2227, 0.2174



Tritanopia

22.6881, 0.3353, 0.3143

Trichromacy



Original Color

22.5996, 0.2721, 0.1951



Protanomaly

22.2451, 0.2234, 0.1861



Deuteranomaly

22.2718, 0.2372, 0.2063



Tritanomaly

22.2292, 0.3099, 0.2627

Monochromacy



Original Color

22.5996, 0.2721, 0.1951



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.0083, 0.2973, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5996, 0.2721, 0.1951 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(163, 106, 207)` looks like.

```
.text, #text, p{  
    color:rgb(163, 106, 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(163, 106, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 106, 207) }
```

Border

The CSS property to change the border of an element to Yxy 22.5996, 0.2721, 0.1951 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(163, 106, 207) }
```

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

```
.border{ border-color:rgb(163, 106, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 106, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 106, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 106, 207);  
box-shadow:4px 4px 4px 4px rgb(163, 106,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5996, 0.2721, 0.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 106, 207) }
```

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

```
.background{ background-color: rgb(163,  
106, 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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