

Converting Colors

$Y_{xy}(22.8016, 0.2854, 0.1992)$

Have a look what the booklet for
Yxy(22.8016, 0.2854, 0.1992)
contains.

Yxy(22.7829, 0.2848, 0.1988)	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(22.7829, 0.2848, 0.1988)

Conversions

Conversions Part 1

Format	Color
Hex	AC67CB
RGB	172, 103, 203
RGB Percent	67%, 40%, 80%
CMY	0.3256, 0.5960, 0.2039
CMYK	0.15, 0.49, 0.00, 0.20
HSL	281°, 49%, 60%
HSV	281°, 49%, 80%
XYZ	32.6387, 22.7829, 59.1805
YIQ	135.0310, 9.0240, 45.7280

Conversions

Conversions Part 2

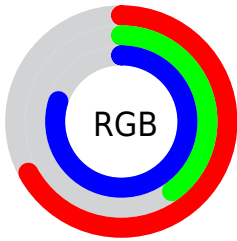
Format	Color
R_{YB}	172, 103, 203
Decimal	11298763
CIE _{Lab}	54.85, 44.76, -41.07
CIE _{LCh}	55, 60.741, 317.461
Yxy	22.7829, 0.2848, 0.1988
Android (android.graphics.Color)	4289488843 (0xFFAC67CB)
YUV	135.0310, 33.5087, 32.4218
Hunter-Lab	47.7314, 38.5280, -40.0996

Details

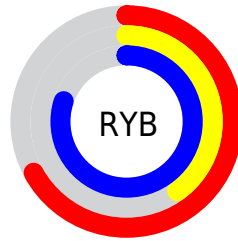
The Yxy color **22.7829, 0.2848, 0.1988** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.7669, 0.3270, 0.4740**, and the grayscale version is **24.1126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6549, 0.2958, 0.2265**, and **8.3760, 0.2717, 0.1636** is the 20% darker color. If you saturate the color by 10%, you get **18.5271, 0.2769, 0.1739**, and if you desaturate by 10%, it is **28.0547, 0.2920, 0.2255**.

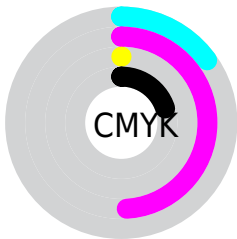
Distribution



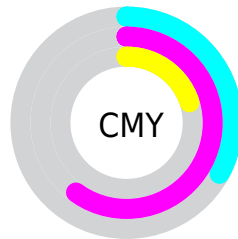
- Red (67%)
- Green (40%)
- Blue (80%)



- Red (67%)
- Yellow (40%)
- Blue (80%)



- Cyan (15%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)




- Cyan (33%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7829, 0.2848, 0.1988 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 22.7829, 0.2848, 0.1988 by changing the saturation by 10% instead.


 22.7829, 0.2848,
0.1988


 22.7829, 0.2848,
0.1988

266.6080, 0.3022,
0.2635


 14.4333, 0.2794,
0.1832

 48.0366, 0.2919,
0.2220


 8.4226, 0.2718,
0.1637


 65.7095, 0.2944,
0.2308

 4.3666, 0.2606,
0.1390


 87.2589, 0.2963,
0.2383

 1.8806, 0.2433,
0.1072

 113.0693, 0.2979,
0.2448

 0.5367, 0.2155,
0.0623

143.5249, 0.2993,
0.2504

 0.0000, 0.1592,
0.0000

179.0104, 0.3004,

 0.0000, 0.0000,

0.2553

0.0000

219.9099, 0.3014,
0.2597

■ 22.7829, 0.2848,
0.1988

■ 22.7829, 0.2848,
0.1988

■ 18.5271, 0.2769,
0.1739

■ 28.0547, 0.2920,
0.2255

■ 15.2118, 0.2686,
0.1519

■ 34.4050, 0.2985,
0.2530

■ 12.7555, 0.2602,
0.1340


■ 41.8947, 0.3042,
0.2801

■ 11.0606, 0.2519,
0.1208


■ 50.5790, 0.3090,
0.3062


■ 9.9612, 0.2439,
0.1120

■ 60.5097, 0.3130,
0.3308

 9.8874, 0.2433,
0.1114

 71.7354, 0.3163,
0.3536

 84.3021, 0.3190,
0.3745

 91.4215, 0.3222,
0.3836

 92.4374, 0.3262,
0.3829

Harmonies

Analogous

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



22.7829, 0.2012, 0.1779



22.7829, 0.2848, 0.1988



22.7829, 0.3948, 0.2439

Triad

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



22.7829, 0.2848, 0.1988



22.7829, 0.4844, 0.4490



22.7829, 0.1601, 0.3166

Complementary

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



22.7829, 0.2848, 0.1988



48.7669, 0.3270, 0.4740

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.



22.7829, 0.2191, 0.4405



22.7829, 0.2848, 0.1988



22.7829, 0.4056, 0.5132

Square

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



22.7829, 0.2848, 0.1988



22.7829, 0.5208, 0.3753



22.7829, 0.3094, 0.5237



22.7829, 0.1403, 0.2276

Rectangle

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



22.7829, 0.2848, 0.1988



22.7829, 0.4631, 0.2839



22.7829, 0.3094, 0.5237



22.7829, 0.1753, 0.3565

Sweetspot

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



22.7838, 0.2848, 0.1988



75.7944, 0.3062, 0.2908



24.4359, 0.2286, 0.2235



15.5772, 0.3051, 0.2852



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.



22.7838, 0.2848, 0.1988



30.6858, 0.2765, 0.1726



25.8906, 0.3387, 0.2295



11.2223, 0.3089, 0.3058



6.3419, 0.2444, 0.1120



0.3662, 0.2598, 0.1205

Inverse Universe

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



24.1242, 0.4053, 0.2894



33.5141, 0.4376, 0.2829



46.9884, 0.2952, 0.4558



11.2701, 0.3242, 0.3218



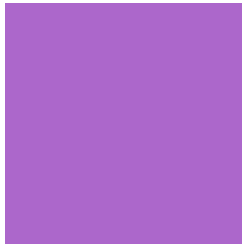
8.3230, 0.5705, 0.2917



0.4431, 0.5141, 0.2606

Previews

White Background



This preview shows how the Yxy color 22.7829, 0.2848, 0.1988 looks on a white background.

Color Contrast Check

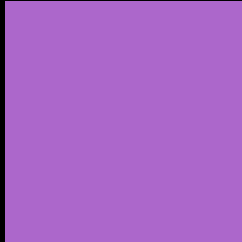
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7829, 0.2848, 0.1988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

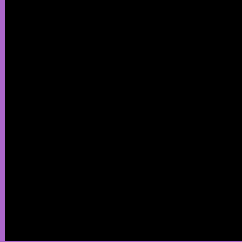
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7829, 0.2848, 0.1988

Background



This preview shows how black text looks on a background with the Yxy color 22.7829, 0.2848, 0.1988.



This preview shows how white text looks on a background with the Yxy color 22.7829, 0.2848, 0.1988.

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

22.7829, 0.2848, 0.1988

Protanopia

23.0532, 0.2067, 0.1864

Deuteranopia

23.0765, 0.2290, 0.2232



Tritanopia

22.8635, 0.3521, 0.3149

Trichromacy



Original Color

22.7829, 0.2848, 0.1988

Protanomaly

22.1775, 0.2272, 0.1876

Deuteranomaly

22.3569, 0.2455, 0.2110

Tritanomaly

22.4683, 0.3254, 0.2647

Monochromacy



Original Color

22.7829, 0.2848, 0.1988

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

22.9999, 0.3017, 0.2706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7829, 0.2848, 0.1988 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(172, 103, 203)` looks like.

```
.text, #text, p{  
    color:rgb(172, 103, 203)  
}
```

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(172, 103, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 103, 203) }
```

Border

The CSS property to change the border of an element to Yxy 22.7829, 0.2848, 0.1988 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(172, 103, 203) }
```

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

```
.border{ border-color:rgb(172, 103, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 103, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 103, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 103, 203);  
box-shadow:4px 4px 4px 4px rgb(172, 103,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7829, 0.2848, 0.1988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 103, 203) }
```

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

```
.background{ background-color: rgb(172,  
103, 203) }
```

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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