

Converting Colors

$Y_{xy}(22.2998, 0.2854, 0.2030)$

Have a look what the booklet for
Yxy(22.2998, 0.2854, 0.2030)
contains.

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Color

Yxy(22.3027, 0.2853, 0.2034)

Conversions

Conversions Part 1

Format	Color
Hex	A868C6
RGB	168, 104, 198
RGB Percent	66%, 41%, 78%
CMY	0.3413, 0.5920, 0.2236
CMYK	0.15, 0.47, 0.00, 0.22
HSL	281°, 45%, 59%
HSV	281°, 47%, 78%
XYZ	31.2830, 22.3027, 56.0638
YIQ	133.8520, 7.9700, 42.8020

Conversions

Conversions Part 2

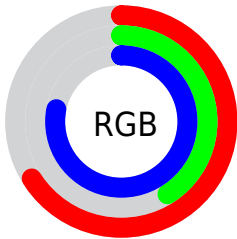
Format	Color
R _Y B	168, 104, 198
Decimal	11036870
CIE Lab	54.35, 42.00, -39.01
CIE LCh	54, 57.324, 317.110
Yxy	22.3027, 0.2853, 0.2034
Android (android.graphics.Color)	4289226950 (0xFFA868C6)
YUV	133.8520, 31.6250, 29.9478
Hunter-Lab	47.2257, 35.5959, -37.3278

Details

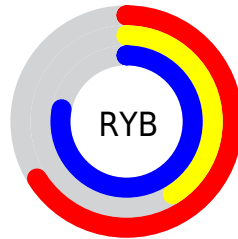
The Yxy color **22.3027, 0.2853, 0.2034** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.4461, 0.3275, 0.4676**, and the grayscale version is **23.6640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3415, 0.2926, 0.2265**, and **8.2294, 0.2724, 0.1687** is the 20% darker color. If you saturate the color by 10%, you get **18.0967, 0.2773, 0.1779**, and if you desaturate by 10%, it is **27.4799, 0.2926, 0.2304**.

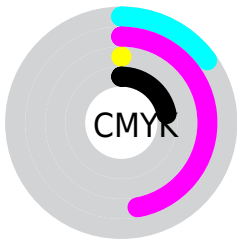
Distribution



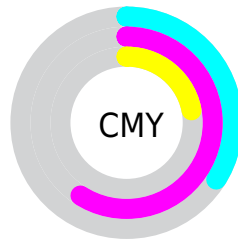
- Red (66%)
- Green (41%)
- Blue (78%)



- Red (66%)
- Yellow (41%)
- Blue (78%)



- Cyan (15%)
- Magenta (47%)
- Yellow (0%)
- Black (22%)




- Cyan (34%)
- Magenta (59%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3027, 0.2853, 0.2034 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 22.3027, 0.2853, 0.2034 by changing the saturation by 10% instead.


 22.3027, 0.2853,
0.2034


 22.3027, 0.2853,
0.2034


264.1230, 0.3023,
0.2665


 14.0795, 0.2800,
0.1880


 47.2458, 0.2923,
0.2262


 8.1760, 0.2724,
0.1686


 64.7345, 0.2947,
0.2348

 4.2078, 0.2614,
0.1437


 86.0804, 0.2966,
0.2421

 1.7904, 0.2439,
0.1113

 111.6680, 0.2982,
0.2484

 0.4812, 0.2161,
0.0627

141.8817, 0.2995,
0.2538

 0.0000, 0.1468,
0.0000

177.1058, 0.3006,

 0.0000, 0.0000,

0.2586

0.0000

217.7248, 0.3015,
0.2628

■ 22.3027, 0.2853,
0.2034

■ 22.3027, 0.2853,
0.2034

■ 18.0967, 0.2773,
0.1779

■ 27.4799, 0.2926,
0.2304

■ 14.7921, 0.2688,
0.1552

■ 33.6858, 0.2991,
0.2579

■ 12.3142, 0.2601,
0.1363


■ 40.9770, 0.3048,
0.2849


■ 10.5746, 0.2516,
0.1220


■ 49.4048, 0.3096,
0.3108

■ 9.4486, 0.2433,
0.1124


■ 59.0173, 0.3137,
0.3350

 9.2047, 0.2413,
0.1103

 69.8599, 0.3170,
0.3574

 81.9753, 0.3197,
0.3780

 90.5867, 0.3226,
0.3895

 91.5836, 0.3267,
0.3888

Harmonies

Analogous

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



22.3027, 0.2052, 0.1835



22.3027, 0.2853, 0.2034



22.3027, 0.3899, 0.2469

Triad

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



22.3027, 0.2853, 0.2034



22.3027, 0.4789, 0.4451



22.3027, 0.1669, 0.3193

Complementary

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



22.3027, 0.2853, 0.2034



46.4461, 0.3275, 0.4676

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.



22.3027, 0.2247, 0.4357



22.3027, 0.2853, 0.2034



22.3027, 0.4043, 0.5051

Square

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



22.3027, 0.2853, 0.2034



22.3027, 0.5117, 0.3744



22.3027, 0.3120, 0.5135



22.3027, 0.1467, 0.2333

Rectangle

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



22.3027, 0.2853, 0.2034



22.3027, 0.4548, 0.2857



22.3027, 0.3120, 0.5135



22.3027, 0.1819, 0.3570

Sweetspot

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



22.3036, 0.2853, 0.2034



77.2007, 0.3065, 0.2934



24.4449, 0.2325, 0.2309



15.8518, 0.3054, 0.2877



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.



22.3036, 0.2853, 0.2034



31.7894, 0.2770, 0.1769



25.2990, 0.3356, 0.2313



10.6402, 0.3088, 0.3059



6.0356, 0.2423, 0.1109



0.3234, 0.2592, 0.1201

Inverse Universe

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



23.6309, 0.3988, 0.2896



34.7394, 0.4294, 0.2826



44.6680, 0.2966, 0.4526



10.6918, 0.3240, 0.3216



8.0568, 0.5669, 0.2897



0.3948, 0.5068, 0.2566

Previews

White Background



This preview shows how the Yxy color 22.3027, 0.2853, 0.2034 looks on a white background.

Color Contrast Check

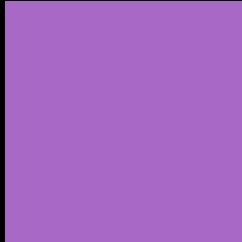
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3027, 0.2853, 0.2034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

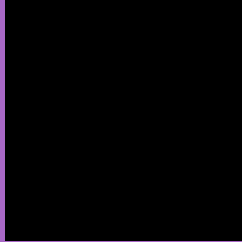
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3027, 0.2853, 0.2034

Background



This preview shows how black text looks on a background with the Yxy color 22.3027, 0.2853, 0.2034.



This preview shows how white text looks on a background with the Yxy color 22.3027, 0.2853, 0.2034.

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

22.3027, 0.2853, 0.2034

Protanopia

22.5685, 0.2111, 0.1922

Deuteranopia

22.4343, 0.2329, 0.2264



Tritanopia

22.2870, 0.3498, 0.3146

Trichromacy



Original Color

22.3027, 0.2853, 0.2034



Protanomaly

21.8899, 0.2321, 0.1946



Deuteranomaly

21.8851, 0.2489, 0.2151



Tritanomaly

22.0491, 0.3254, 0.2682

Monochromacy



Original Color

22.3027, 0.2853, 0.2034



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.7112, 0.3026, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3027, 0.2853, 0.2034 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(168, 104, 198)` looks like.

```
.text, #text, p{  
    color:rgb(168, 104, 198)  
}
```

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(168, 104, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 104, 198) }
```

Border

The CSS property to change the border of an element to Yxy 22.3027, 0.2853, 0.2034 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(168, 104, 198) }
```

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

```
.border{ border-color:rgb(168, 104, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 104, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 104, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 104, 198);  
box-shadow:4px 4px 4px 4px rgb(168, 104,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3027, 0.2853, 0.2034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 104, 198) }
```

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

```
.background{ background-color: rgb(168,  
104, 198) }
```

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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