

Converting Colors

$Y_{xy}(21.6757, 0.3140, 0.2258)$

Have a look what the booklet for
Yxy(21.6757, 0.3140, 0.2258)
contains.

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Color

Yxy(21.6757, 0.3140, 0.2258)

Conversions

Conversions Part 1

Format	Color
Hex	AE66B1
RGB	174, 102, 177
RGB Percent	68%, 40%, 69%
CMY	0.3176, 0.6000, 0.3060
CMYK	0.02, 0.42, 0.00, 0.31
HSL	298°, 32%, 55%
HSV	298°, 42%, 69%
XYZ	30.1425, 21.6757, 44.1770
YIQ	132.0780, 18.8370, 38.5890

Conversions

Conversions Part 2

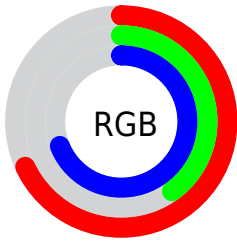
Format	Color
RYB	174, 102, 177
Decimal	11429553
CIELab	53.68, 40.62, -27.92
CIELCh	54, 49.291, 325.496
Yxy	21.6757, 0.3140, 0.2258
Android (android.graphics.Color)	4289619633 (0xFFAE66B1)
YUV	132.0780, 22.1465, 36.7656
Hunter-Lab	46.5572, 34.0911, -23.6688

Details

The Yxy color **21.6757, 0.3140, 0.2258** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.3951, 0.3090, 0.4569**, and the grayscale version is **23.0181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3148, 0.3149, 0.2456**, and **7.9043, 0.3118, 0.1954** is the 20% darker color. If you saturate the color by 10%, you get **18.4814, 0.3139, 0.2041**, and if you desaturate by 10%, it is **25.6149, 0.3139, 0.2495**.

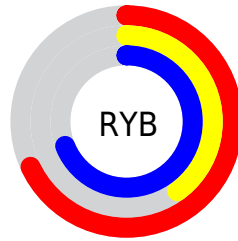
Distribution



Red (68%)

Green (40%)

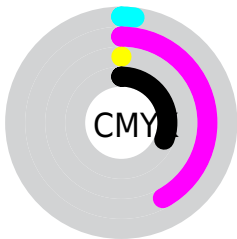
Blue (69%)



Red (68%)

Yellow (40%)

Blue (69%)

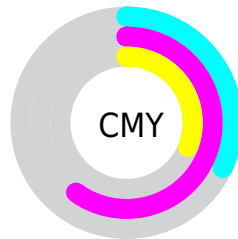


Cyan (2%)

Magenta (42%)

Yellow (0%)

Black (31%)



Cyan (32%)


Magenta (60%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6757, 0.3140, 0.2258 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 21.6757, 0.3140, 0.2258 by changing the saturation by 10% instead.


 21.6757, 0.3140,
0.2258


 21.6757, 0.3140,
0.2258


260.8480, 0.3150,
0.2790


 13.6188, 0.3131,
0.2122


 46.2094, 0.3148,
0.2454

 7.8560, 0.3114,
0.1946


 63.4550, 0.3150,
0.2527

 4.0030, 0.3084,
0.1712


 84.5323, 0.3151,
0.2589

 1.6752, 0.3022,
0.1390

 109.8257, 0.3151,
0.2641

 0.4075, 0.2927,
0.0794

139.7196, 0.3151,
0.2686

 0.0000, 0.2128,
0.0000

174.5983, 0.3151,

 0.0000, 0.0000,

0.2725

0.0000

214.8463, 0.3150,
0.2760

■ 21.6757, 0.3140,
0.2258

■ 21.6757, 0.3140,
0.2258

■ 18.4814, 0.3139,
0.2041

■ 25.6149, 0.3139,
0.2495

■ 15.9813, 0.3137,
0.1852

■ 30.3396, 0.3137,
0.2742

■ 14.1233, 0.3132,
0.1700

■ 35.8908, 0.3133,
0.2990

■ 12.8464, 0.3126,
0.1589

■ 42.3059, 0.3128,
0.3234

■ 12.0780, 0.3118,
0.1520

■ 49.6201, 0.3123,
0.3467

■ 11.7171, 0.3111,
0.1487

■ 57.8666, 0.3118,
0.3686

■ 67.0767, 0.3112,
0.3890

■ 77.2804, 0.3107,
0.4077

■ 84.4336, 0.3105,
0.4188

Harmonies

Analogous

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



21.6757, 0.2348, 0.2013



21.6757, 0.3140, 0.2258



21.6757, 0.4053, 0.2706

Triad

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



21.6757, 0.3140, 0.2258



21.6757, 0.4464, 0.4520



21.6757, 0.1748, 0.2975

Complementary

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



21.6757, 0.3140, 0.2258



35.3951, 0.3090, 0.4569

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.



21.6757, 0.2187, 0.3932



21.6757, 0.3140, 0.2258



21.6757, 0.3749, 0.4915

Square

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



21.6757, 0.3140, 0.2258



21.6757, 0.4854, 0.3911



21.6757, 0.2917, 0.4746



21.6757, 0.1643, 0.2316

Rectangle

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



21.6757, 0.3140, 0.2258



21.6757, 0.4550, 0.3082



21.6757, 0.2917, 0.4746



21.6757, 0.1856, 0.3274

Sweetspot

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



21.6767, 0.3140, 0.2258



63.3851, 0.3133, 0.2969



16.2552, 0.2361, 0.2070



13.2482, 0.3134, 0.2916



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.6767, 0.3140, 0.2258



33.3613, 0.3139, 0.2051



20.8379, 0.3602, 0.2695



8.6293, 0.3132, 0.3065



8.4985, 0.3112, 0.1488



0.2726, 0.3141, 0.1504

Inverse Universe

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



19.8667, 0.4158, 0.3249



29.7157, 0.4532, 0.3242



36.0297, 0.2833, 0.3983



8.5105, 0.3281, 0.3281



6.7856, 0.6349, 0.3271



0.2153, 0.6136, 0.3154

Previews

White Background



This preview shows how the Yxy color 21.6757, 0.3140, 0.2258 looks on a white background.

Color Contrast Check

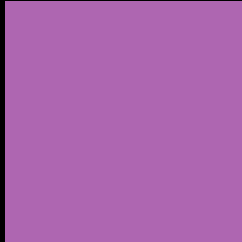
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6757, 0.3140, 0.2258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

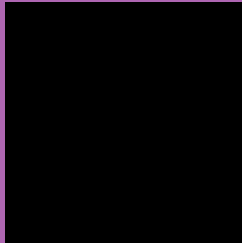
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6757, 0.3140, 0.2258

Background



This preview shows how black text looks on a background with the Yxy color 21.6757, 0.3140, 0.2258.



This preview shows how white text looks on a background with the Yxy color 21.6757, 0.3140, 0.2258.

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

21.6757, 0.3140, 0.2258

Protanopia

21.8960, 0.2302, 0.2169

Deuteranopia

21.9392, 0.2589, 0.2539



Tritanopia

21.6802, 0.3711, 0.3152

Trichromacy



Original Color

21.6757, 0.3140, 0.2258

Protanomaly

21.1074, 0.2539, 0.2169

Deuteranomaly

21.4161, 0.2767, 0.2409

Tritanomaly

21.6811, 0.3497, 0.2796

Monochromacy



Original Color

21.6757, 0.3140, 0.2258

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.0159, 0.3136, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6757, 0.3140, 0.2258 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(174, 102, 177)` looks like.

```
.text, #text, p{  
    color:rgb(174, 102, 177)  
}
```

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(174, 102, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 102, 177) }
```

Border

The CSS property to change the border of an element to Yxy 21.6757, 0.3140, 0.2258 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(174, 102, 177) }
```

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

```
.border{ border-color:rgb(174, 102, 177) }
```

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

Here you see how a box with a 4 pixel rgb(174, 102, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 102, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 102, 177);  
box-shadow:4px 4px 4px 4px rgb(174, 102,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6757, 0.3140, 0.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 102, 177) }
```

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

```
.background{ background-color: rgb(174,  
102, 177) }
```

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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