

Converting Colors

$Y_{xy}(20.7978, 0.3164, 0.2300)$

Have a look what the booklet for
Yxy(20.7978, 0.3164, 0.2300)
contains.

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Color

Yxy(20.7937, 0.3161, 0.2300)

Conversions

Conversions Part 1

Format	Color
Hex	AA65AB
RGB	170, 101, 171
RGB Percent	67%, 40%, 67%
CMY	0.3334, 0.6038, 0.3294
CMYK	0.01, 0.41, 0.00, 0.33
HSL	299°, 29%, 53%
HSV	299°, 41%, 67%
XYZ	28.5778, 20.7937, 41.0359
YIQ	129.6110, 18.6540, 36.3980

Conversions

Conversions Part 2

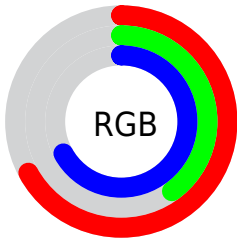
Format	Color
R _{YB}	170, 101, 171
Decimal	11167147
CIE _{Lab}	52.72, 38.75, -25.98
CIE _{LCh}	53, 46.648, 326.159
Yxy	20.7937, 0.3161, 0.2300
Android (android.graphics.Color)	4289357227 (0xFFAA65AB)
YUV	129.6110, 20.4048, 35.4212
Hunter-Lab	45.6001, 32.0665, -21.4355

Details

The Yxy color **20.7937, 0.3161, 0.2300** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **32.8938, 0.3078, 0.4520**, and the grayscale version is **22.1017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9881, 0.3165, 0.2493**, and **7.3887, 0.3151, 0.1997** is the 20% darker color. If you saturate the color by 10%, you get **17.7837, 0.3167, 0.2084**, and if you desaturate by 10%, it is **24.4965, 0.3154, 0.2535**.

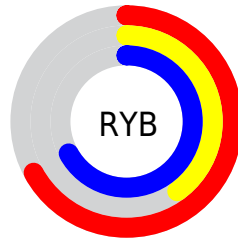
Distribution



Red (67%)

Green (40%)

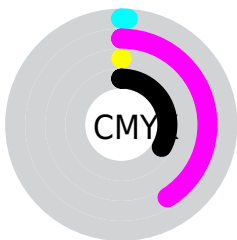
Blue (67%)



Red (67%)

Yellow (40%)

Blue (67%)

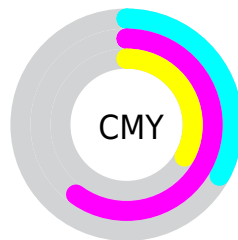


Cyan (1%)

Magenta (41%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (60%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7937, 0.3161, 0.2300 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 20.7937, 0.3161, 0.2300 by changing the saturation by 10% instead.


 20.7937, 0.3161,
0.2300


 20.7937, 0.3161,
0.2300

256.1801, 0.3158,
0.2816

 12.9733, 0.3156,
0.2166


 44.7439, 0.3164,
0.2492

 7.4102, 0.3145,
0.1991


 61.6426, 0.3164,
0.2563

 3.7199, 0.3121,
0.1755


 82.3360, 0.3163,
0.2622

 1.5181, 0.3069,
0.1427

 107.2088, 0.3162,
0.2673

 0.3014, 0.3022,
0.0703

136.6451, 0.3161,
0.2716

 0.0000, 0.1610,
0.0000

171.0296, 0.3160,

 0.0000, 0.0000,

0.2754

0.0000

210.7464, 0.3159,
0.2787

■ 20.7937, 0.3161,
0.2300

■ 20.7937, 0.3161,
0.2300

■ 17.7837, 0.3167,
0.2084

■ 24.4965, 0.3154,
0.2535

■ 15.4205, 0.3172,
0.1895

■ 28.9288, 0.3145,
0.2780

■ 13.6571, 0.3175,
0.1742


■ 34.1280, 0.3137,
0.3027

■ 12.4388, 0.3176,
0.1630


■ 40.1281, 0.3128,
0.3268

■ 11.7009, 0.3175,
0.1559


■ 46.9612, 0.3119,
0.3499

 11.3193, 0.3173,
0.1522

 54.6575, 0.3111,
0.3716

 63.2458, 0.3103,
0.3918

 72.7534, 0.3095,
0.4103

 83.2066, 0.3088,
0.4272

Harmonies

Analogous

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



20.7937, 0.2391, 0.2057



20.7937, 0.3161, 0.2300



20.7937, 0.4035, 0.2740

Triad

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



20.7937, 0.3161, 0.2300



20.7937, 0.4409, 0.4495



20.7937, 0.1790, 0.2975

Complementary

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



20.7937, 0.3161, 0.2300



32.8938, 0.3078, 0.4520

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.



20.7937, 0.2211, 0.3885



20.7937, 0.3161, 0.2300



20.7937, 0.3718, 0.4854

Square

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



20.7937, 0.3161, 0.2300



20.7937, 0.4787, 0.3914



20.7937, 0.2913, 0.4668



20.7937, 0.1692, 0.2344

Rectangle

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



20.7937, 0.3161, 0.2300



20.7937, 0.4505, 0.3107



20.7937, 0.2913, 0.4668



20.7937, 0.1894, 0.3259

Sweetspot

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



20.7946, 0.3161, 0.2300



59.8427, 0.3138, 0.2995



15.2474, 0.2386, 0.2081



13.0729, 0.3139, 0.2965



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.7946, 0.3161, 0.2300



32.3637, 0.3167, 0.2105



19.7804, 0.3611, 0.2750



8.1420, 0.3135, 0.3066



8.5351, 0.3173, 0.1522



0.2393, 0.3185, 0.1528

Inverse Universe

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



18.9294, 0.4129, 0.3277



28.5800, 0.4479, 0.3275



33.6391, 0.2825, 0.3911



8.0172, 0.3284, 0.3287



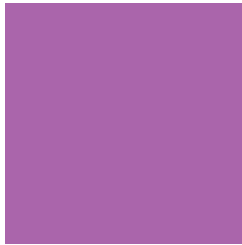
6.5316, 0.6381, 0.3289



0.1823, 0.6294, 0.3241

Previews

White Background



This preview shows how the Yxy color 20.7937, 0.3161, 0.2300 looks on a white background.

Color Contrast Check

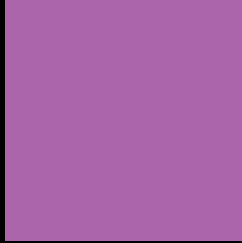
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7937, 0.3161, 0.2300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

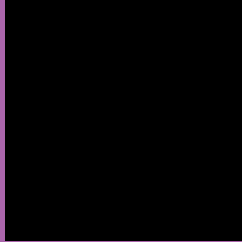
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7937, 0.3161, 0.2300

Background



This preview shows how black text looks on a background with the Yxy color 20.7937, 0.3161, 0.2300.



This preview shows how white text looks on a background with the Yxy color 20.7937, 0.3161, 0.2300.

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

20.7937, 0.3161, 0.2300

Protanopia

21.0325, 0.2347, 0.2233

Deuteranopia

20.9183, 0.2615, 0.2558



Tritanopia

20.7309, 0.3708, 0.3165

Trichromacy



Original Color

20.7937, 0.3161, 0.2300

Protanomaly

20.4574, 0.2592, 0.2248

Deuteranomaly

20.5522, 0.2800, 0.2453

Tritanomaly

20.6962, 0.3503, 0.2815

Monochromacy



Original Color

20.7937, 0.3161, 0.2300

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.2577, 0.3147, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7937, 0.3161, 0.2300 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(170, 101, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 101, 171)  
}
```

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(170, 101, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 101, 171) }
```

Border

The CSS property to change the border of an element to Yxy 20.7937, 0.3161, 0.2300 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(170, 101, 171) }
```

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

```
.border{ border-color:rgb(170, 101, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 101, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 101, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 101, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 101,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7937, 0.3161, 0.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 101, 171) }
```

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

```
.background{ background-color: rgb(170,  
101, 171) }
```

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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