

Converting Colors

$Y_{xy}(20.1673, 0.3436, 0.2571)$

Have a look what the booklet for
Yxy(20.1673, 0.3436, 0.2571)
contains.

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Color

Yxy(20.1673, 0.3436, 0.2571)

Conversions

Conversions Part 1

Format	Color
Hex	AB6596
RGB	171, 101, 150
RGB Percent	67%, 40%, 59%
CMY	0.3294, 0.6039, 0.4118
CMYK	0.00, 0.41, 0.12, 0.33
HSL	318°, 29%, 53%
HSV	318°, 41%, 67%
XYZ	26.9525, 20.1673, 31.3217
YIQ	127.5160, 25.9910, 30.0790

Conversions

Conversions Part 2

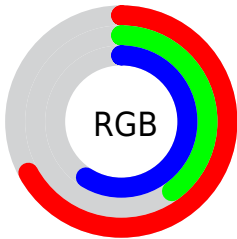
Format	Color
RYB	171, 101, 150
Decimal	11232662
CIELab	52.03, 35.28, -14.74
CIELCh	52, 38.232, 337.323
Yxy	20.1673, 0.3436, 0.2571
Android (android.graphics.Color)	4289422742 (0xFFAB6596)
YUV	127.5160, 11.0846, 38.1355
Hunter-Lab	44.9080, 28.5415, -9.9170

Details

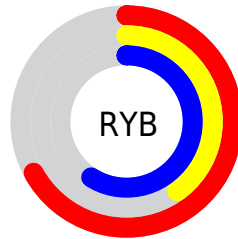
The Yxy color $20.1673, 0.3436, 0.2571$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.2985, 0.2918, 0.4144$, and the grayscale version is $21.3652, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.6361, 0.3380, 0.2717$, and $7.0504, 0.3541, 0.2318$ is the 20% darker color. If you saturate the color by 10%, you get $17.0240, 0.3540, 0.2405$, and if you desaturate by 10%, it is $24.0106, 0.3343, 0.2748$.

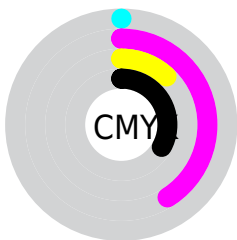
Distribution



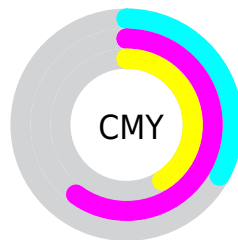
- Red (67%)
- Green (40%)
- Blue (59%)



- Red (67%)
- Yellow (40%)
- Blue (59%)



- Cyan (0%)
- Magenta (41%)
- Yellow (12%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1673, 0.3436, 0.2571 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 20.1673, 0.3436, 0.2571 by changing the saturation by 10% instead.


 20.1673, 0.3436,
0.2571


 20.1673, 0.3436,
0.2571


252.8194, 0.3271,
0.2958


 12.5167, 0.3481,
0.2465


 43.6975, 0.3373,
0.2718


 7.0966, 0.3541,
0.2324


 60.3459, 0.3351,
0.2771

 3.5226, 0.3624,
0.2125


 80.7624, 0.3332,
0.2816

 1.4103, 0.3748,
0.1828

 105.3313, 0.3316,
0.2853

 0.2243, 0.4169,
0.0853

134.4370, 0.3302,
0.2885

 0.0000, 0.2417,
0.0000

168.4640, 0.3290,

 0.0000, 0.0000,

0.2912

0.0000

207.7967, 0.3280,
0.2936

■ 20.1673, 0.3436,
0.2571

■ 20.1673, 0.3436,
0.2571

■ 17.0240, 0.3540,
0.2405

■ 24.0106, 0.3343,
0.2748

■ 14.5346, 0.3655,
0.2260

■ 28.5906, 0.3262,
0.2928

■ 12.6519, 0.3777,
0.2146


■ 33.9448, 0.3192,
0.3105

■ 11.3211, 0.3903,
0.2072

■ 40.1074, 0.3132,
0.3275


■ 10.4775, 0.4028,
0.2046


■ 47.1105, 0.3082,
0.3435

 10.0060, 0.4140,
0.2054

 54.9843, 0.3040,
0.3585

 63.7578, 0.3004,
0.3724

 73.4584, 0.2975,
0.3852

 84.1124, 0.2950,
0.3969

Harmonies

Analogous

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



20.1673, 0.2734, 0.2289



20.1673, 0.3436, 0.2571



20.1673, 0.4114, 0.3005

Triad

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



20.1673, 0.3436, 0.2571



20.1673, 0.4033, 0.4462



20.1673, 0.1925, 0.2813

Complementary

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



20.1673, 0.3436, 0.2571



33.2985, 0.2918, 0.4144

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.



20.1673, 0.2195, 0.3499



20.1673, 0.3436, 0.2571



20.1673, 0.3398, 0.4577

Square

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



20.1673, 0.3436, 0.2571



20.1673, 0.4452, 0.4043



20.1673, 0.2725, 0.4211



20.1673, 0.1934, 0.2375

Rectangle

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



20.1673, 0.3436, 0.2571



20.1673, 0.4416, 0.3344



20.1673, 0.2725, 0.4211



20.1673, 0.1984, 0.3020

Sweetspot

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



20.1682, 0.3436, 0.2571



59.4862, 0.3200, 0.3082



16.3868, 0.2600, 0.2127



12.9855, 0.3209, 0.3060



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.



20.1682, 0.3436, 0.2571



31.0319, 0.3529, 0.2422



19.2045, 0.3934, 0.3078



8.1065, 0.3182, 0.3133



7.5527, 0.4129, 0.2048



0.2192, 0.3792, 0.1862

Inverse Universe

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



20.1682, 0.3436, 0.2571



31.0319, 0.3529, 0.2422



34.3273, 0.2668, 0.3521



8.1065, 0.3182, 0.3133



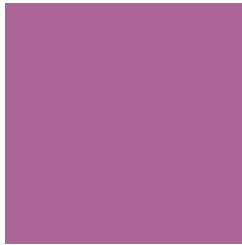
7.5527, 0.4129, 0.2048



0.2192, 0.3792, 0.1862

Previews

White Background



This preview shows how the Yxy color 20.1673, 0.3436, 0.2571 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 20.1673, 0.3436, 0.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

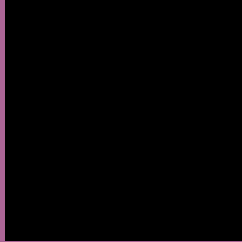
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1673, 0.3436, 0.2571

Background



This preview shows how black text looks on a background with the Yxy color 20.1673, 0.3436, 0.2571.



This preview shows how white text looks on a background with the Yxy color 20.1673, 0.3436, 0.2571.

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

20.1673, 0.3436, 0.2571

Protanopia

20.4298, 0.2593, 0.2550

Deuteranopia

20.4300, 0.2914, 0.2868



Tritanopia

20.2016, 0.3833, 0.3167

Trichromacy



Original Color

20.1673, 0.3436, 0.2571

Protanomaly

19.8679, 0.2857, 0.2544

Deuteranomaly

19.8920, 0.3091, 0.2740

Tritanomaly

19.9865, 0.3688, 0.2937

Monochromacy



Original Color

20.1673, 0.3436, 0.2571

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.6637, 0.3241, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1673, 0.3436, 0.2571 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(171, 101, 150)` looks like.

```
.text, #text, p{  
    color:rgb(171, 101, 150)  
}
```

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(171, 101, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 101, 150) }
```

Border

The CSS property to change the border of an element to Yxy 20.1673, 0.3436, 0.2571 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(171, 101, 150) }
```

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

```
.border{ border-color:rgb(171, 101, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 101, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 101, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 101, 150);  
box-shadow:4px 4px 4px 4px rgb(171, 101,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1673, 0.3436, 0.2571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 101, 150) }
```

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

```
.background{ background-color: rgb(171,  
101, 150) }
```

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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