

Converting Colors

$Y_{xy}(20.6066, 0.3529, 0.2695)$

Have a look what the booklet for
Yxy(20.6066, 0.3529, 0.2695)
contains.

Yxy(20.6849, 0.3523, 0.2699)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6849, 0.3523, 0.2699)

Conversions

Conversions Part 1

Format	Color
Hex	AC6890
RGB	172, 104, 144
RGB Percent	67%, 41%, 56%
CMY	0.3254, 0.5922, 0.4353
CMYK	0.00, 0.40, 0.16, 0.33
HSL	325°, 29%, 54%
HSV	325°, 40%, 67%
XYZ	27.0000, 20.6849, 28.9543
YIQ	128.8920, 27.6880, 26.8560

Conversions

Conversions Part 2

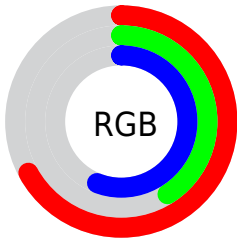
Format	Color
R_{YB}	172, 104, 144
Decimal	11298960
CIE _{Lab}	52.60, 32.98, -10.33
CIE _{LCh}	53, 34.562, 342.608
Yxy	20.6849, 0.3523, 0.2699
Android (android.graphics.Color)	4289489040 (0xFFAC6890)
YUV	128.8920, 7.4482, 37.8057
Hunter-Lab	45.4807, 26.3768, -5.9092

Details

The Yxy color $20.6849, 0.3523, 0.2699$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.1202, 0.2868, 0.3973$, and the grayscale version is $21.8799, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5122, 0.3441, 0.2816$, and $7.3921, 0.3657, 0.2489$ is the 20% darker color. If you saturate the color by 10%, you get $17.3593, 0.3667, 0.2555$, and if you desaturate by 10%, it is $24.7324, 0.3398, 0.2851$.

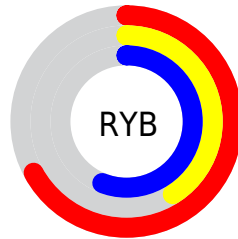
Distribution



Red (67%)

Green (41%)

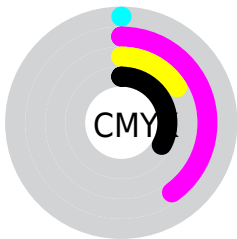
Blue (56%)



Red (67%)

Yellow (41%)

Blue (56%)

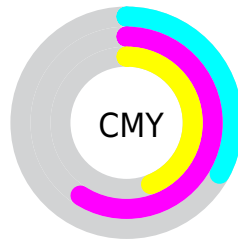


Cyan (0%)

Magenta (40%)

Yellow (16%)

Black (33%)



Cyan (33%)


Magenta (59%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6849, 0.3523, 0.2699 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 20.6849, 0.3523, 0.2699 by changing the saturation by 10% instead.

 20.6849, 0.3523,
0.2699


 20.6849, 0.3523,
0.2699


255.5991, 0.3306,
0.3020


 12.8939, 0.3585,
0.2610


 44.5625, 0.3439,
0.2822


 7.3555, 0.3669,
0.2489


 61.4179, 0.3409,
0.2866

 3.6854, 0.3790,
0.2318

 82.0635, 0.3384,
0.2903

 1.4992, 0.3981,
0.2057

 106.8838, 0.3363,
0.2934

 0.2882, 0.4539,
0.1187

136.2631, 0.3346,
0.2960

 0.0000, 1.0000,
0.0000

170.5858, 0.3331,

 0.0000, 0.0000,

0.2982

0.0000

210.2364, 0.3317,
0.3002

■ 20.6849, 0.3523,
0.2699

■ 20.6849, 0.3523,
0.2699

■ 17.3593, 0.3667,
0.2555

■ 24.7324, 0.3398,
0.2851

■ 14.7091, 0.3829,
0.2428

■ 29.5386, 0.3291,
0.3005

■ 12.6871, 0.4007,
0.2330


■ 35.1415, 0.3200,
0.3154

■ 11.2387, 0.4194,
0.2271


■ 41.5755, 0.3124,
0.3296


■ 10.2996, 0.4384,
0.2261

■ 48.8730, 0.3061,
0.3430


 9.7387, 0.4572,
0.2295

 57.0647, 0.3008,
0.3554

 9.7152, 0.4580,
0.2297

 66.1798, 0.2964,
0.3668

 76.2461, 0.2928,
0.3773

 84.8350, 0.2896,
0.3830

Harmonies

Analogous

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



20.6849, 0.2880, 0.2411



20.6849, 0.3523, 0.2699



20.6849, 0.4097, 0.3117

Triad

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



20.6849, 0.3523, 0.2699



20.6849, 0.3862, 0.4391



20.6849, 0.2017, 0.2780

Complementary

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



20.6849, 0.3523, 0.2699



34.1202, 0.2868, 0.3973

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.



20.6849, 0.2224, 0.3365



20.6849, 0.3523, 0.2699



20.6849, 0.3271, 0.4408

Square

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



20.6849, 0.3523, 0.2699



20.6849, 0.4280, 0.4062



20.6849, 0.2672, 0.4009



20.6849, 0.2068, 0.2420

Rectangle

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



20.6849, 0.3523, 0.2699



20.6849, 0.4328, 0.3435



20.6849, 0.2672, 0.4009



20.6849, 0.2058, 0.2954

Sweetspot

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



20.6859, 0.3523, 0.2699



60.8783, 0.3223, 0.3115



17.7206, 0.2696, 0.2193



12.9487, 0.3234, 0.3096



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.



20.6859, 0.3523, 0.2699



32.4232, 0.3641, 0.2578



19.8155, 0.3995, 0.3189



8.0914, 0.3198, 0.3157



7.2394, 0.4562, 0.2287



0.2119, 0.4053, 0.2007

Inverse Universe

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



20.6859, 0.3523, 0.2699



32.4232, 0.3641, 0.2578



35.1783, 0.2635, 0.3399



8.0914, 0.3198, 0.3157



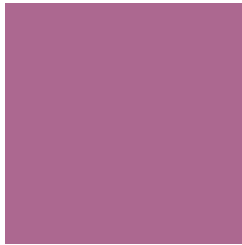
7.2394, 0.4562, 0.2287



0.2119, 0.4053, 0.2007

Previews

White Background



This preview shows how the Yxy color 20.6849, 0.3523, 0.2699 looks on a white background.

Color Contrast Check

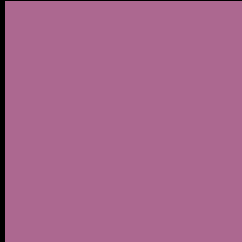
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6849, 0.3523, 0.2699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

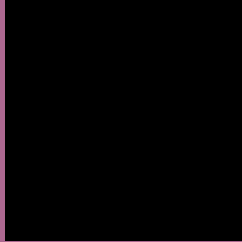
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6849, 0.3523, 0.2699

Background



This preview shows how black text looks on a background with the Yxy color 20.6849, 0.3523, 0.2699.



This preview shows how white text looks on a background with the Yxy color 20.6849, 0.3523, 0.2699.

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

20.6849, 0.3523, 0.2699

Protanopia

20.9874, 0.2715, 0.2717

Deuteranopia

20.9143, 0.3024, 0.2976



Tritanopia

20.6566, 0.3841, 0.3168

Trichromacy



Original Color

20.6849, 0.3523, 0.2699

Protanomaly

20.4258, 0.2976, 0.2691

Deuteranomaly

20.5548, 0.3197, 0.2859

Tritanomaly

20.5937, 0.3722, 0.2986

Monochromacy



Original Color

20.6849, 0.3523, 0.2699

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.1739, 0.3274, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6849, 0.3523, 0.2699 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, 104, 144)` looks like.

```
.text, #text, p{  
    color:rgb(172, 104, 144)  
}
```

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, 104, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 104, 144) }
```

Border

The CSS property to change the border of an element to Yxy 20.6849, 0.3523, 0.2699 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, 104, 144) }
```

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

```
.border{ border-color:rgb(172, 104, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 104, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 104, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 104, 144);  
box-shadow:4px 4px 4px 4px rgb(172, 104,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6849, 0.3523, 0.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 104, 144) }
```

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

```
.background{ background-color: rgb(172,  
104, 144) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor