

Converting Colors

$Y_{xy}(22.9298, 0.3520, 0.2683)$

Have a look what the booklet for
Yxy(22.9298, 0.3520, 0.2683)
contains.

Yxy(23.0280, 0.3520, 0.2685)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.0280, 0.3520, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	B56D98
RGB	181, 109, 152
RGB Percent	71%, 43%, 60%
CMY	0.2902, 0.5725, 0.4040
CMYK	0.00, 0.40, 0.16, 0.29
HSL	324°, 33%, 57%
HSV	324°, 40%, 71%
XYZ	30.1894, 23.0280, 32.5480
YIQ	135.4300, 29.1090, 28.6370

Conversions

Conversions Part 2

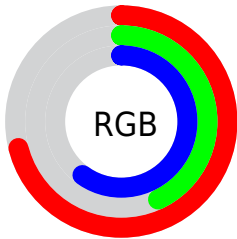
Format	Color
R _Y B	181, 109, 152
Decimal	11890072
CIE Lab	55.10, 34.68, -11.14
CIE LCh	55, 36.422, 342.193
Yxy	23.0280, 0.3520, 0.2685
Android (android.graphics.Color)	4290080152 (0xFFB56D98)
YUV	135.4300, 8.1690, 39.9649
Hunter-Lab	47.9875, 28.3180, -6.6227

Details

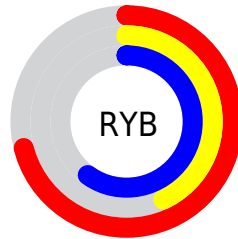
The Yxy color **23.0280, 0.3520, 0.2685** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **38.1335, 0.2870, 0.3992**, and the grayscale version is **24.3581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4740, 0.3441, 0.2811**, and **8.5795, 0.3666, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **19.3247, 0.3662, 0.2539**, and if you desaturate by 10%, it is **27.5433, 0.3396, 0.2840**.

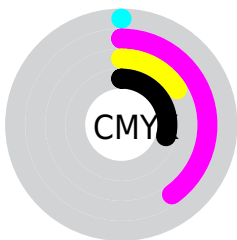
Distribution



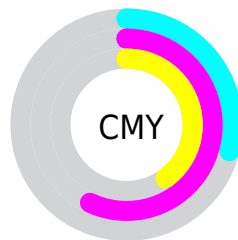
- Red (71%)
- Green (43%)
- Blue (60%)



- Red (71%)
- Yellow (43%)
- Blue (60%)



- Cyan (0%)
- Magenta (40%)
- Yellow (16%)
- Black (29%)





- Cyan (29%)
- Magenta (57%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0280, 0.3520, 0.2685 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 23.0280, 0.3520, 0.2685 by changing the saturation by 10% instead.


 23.0280, 0.3520,
0.2685


 23.0280, 0.3520,
0.2685


267.8688, 0.3308,
0.3007


 14.6142, 0.3578,
0.2598


 48.4393, 0.3439,
0.2807


 8.5491, 0.3657,
0.2481


 66.2056, 0.3410,
0.2851

 4.4482, 0.3768,
0.2319


 87.8581, 0.3386,
0.2888

 1.9273, 0.3938,
0.2078

 113.7813, 0.3365,
0.2919

 0.5647, 0.4268,
0.1598

144.3596, 0.3348,
0.2946

 0.0000, 0.6375,
0.0000

179.9773, 0.3333,

 0.0000, 0.0000,

0.2969

0.0000

221.0189, 0.3320,
0.2989

■ 23.0280, 0.3520,
0.2685

■ 23.0280, 0.3520,
0.2685

■ 19.3247, 0.3662,
0.2539

■ 27.5433, 0.3396,
0.2840

■ 16.3807, 0.3822,
0.2411

■ 32.9125, 0.3290,
0.2996

■ 14.1423, 0.3996,
0.2312


■ 39.1786, 0.3201,
0.3148

■ 12.5471, 0.4179,
0.2254


■ 46.3806, 0.3126,
0.3293

■ 11.5217, 0.4364,
0.2244

■ 54.5554, 0.3063,
0.3429


 10.9189, 0.4547,
0.2280

 63.7377, 0.3011,
0.3556

 10.9064, 0.4551,
0.2281

 73.9605, 0.2967,
0.3673

 85.2554, 0.2931,
0.3780

 86.3866, 0.2893,
0.3707

Harmonies

Analogous

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



23.0280, 0.2867, 0.2396



23.0280, 0.3520, 0.2685



23.0280, 0.4107, 0.3107

Triad

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



23.0280, 0.3520, 0.2685



23.0280, 0.3880, 0.4406



23.0280, 0.2002, 0.2778

Complementary

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



23.0280, 0.3520, 0.2685



38.1335, 0.2870, 0.3992

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.



23.0280, 0.2215, 0.3375



23.0280, 0.3520, 0.2685



23.0280, 0.3281, 0.4431

Square

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



23.0280, 0.3520, 0.2685



23.0280, 0.4301, 0.4066



23.0280, 0.2672, 0.4030



23.0280, 0.2050, 0.2410

Rectangle

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



23.0280, 0.3520, 0.2685



23.0280, 0.4345, 0.3429



23.0280, 0.2672, 0.4030



23.0280, 0.2044, 0.2955

Sweetspot

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



23.0291, 0.3520, 0.2685



67.2940, 0.3221, 0.3112



19.6624, 0.2691, 0.2181



14.2271, 0.3232, 0.3092



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



23.0291, 0.3520, 0.2685



35.1941, 0.3647, 0.2552



22.0288, 0.4007, 0.3188



8.5876, 0.3197, 0.3155



7.5331, 0.4529, 0.2269



0.2482, 0.4071, 0.2016

Inverse Universe

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



23.0291, 0.3520, 0.2685



35.1941, 0.3647, 0.2552



39.3457, 0.2631, 0.3400



8.5876, 0.3197, 0.3155



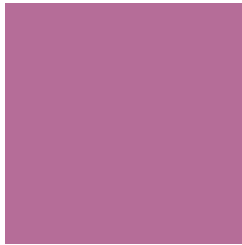
7.5331, 0.4529, 0.2269



0.2482, 0.4071, 0.2016

Previews

White Background



This preview shows how the Yxy color 23.0280, 0.3520, 0.2685 looks on a white background.

Color Contrast Check

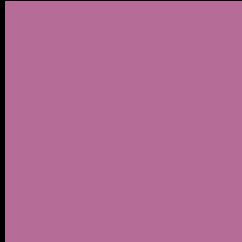
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0280, 0.3520, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

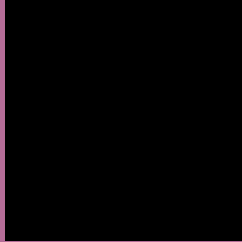
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0280, 0.3520, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 23.0280, 0.3520, 0.2685.



This preview shows how white text looks on a background with the Yxy color 23.0280, 0.3520, 0.2685.

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

23.0280, 0.3520, 0.2685

Protanopia

23.2336, 0.2695, 0.2692

Deuteranopia

23.2419, 0.3029, 0.2973



Tritanopia

23.1565, 0.3847, 0.3174

Trichromacy



Original Color

23.0280, 0.3520, 0.2685

Protanomaly

22.7038, 0.2952, 0.2669

Deuteranomaly

22.9590, 0.3207, 0.2863

Tritanomaly

23.1152, 0.3720, 0.2986

Monochromacy



Original Color

23.0280, 0.3520, 0.2685

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5202, 0.3269, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0280, 0.3520, 0.2685 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(181, 109, 152)` looks like.

```
.text, #text, p{  
    color:rgb(181, 109, 152)  
}
```

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(181, 109, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 109, 152) }
```

Border

The CSS property to change the border of an element to Yxy 23.0280, 0.3520, 0.2685 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(181, 109, 152) }
```

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

```
.border{ border-color:rgb(181, 109, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 109, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 109, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 109, 152); box-shadow:4px 4px 4px 4px rgb(181, 109, 152) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0280, 0.3520, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 109, 152) }
```

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

```
.background{ background-color: rgb(181,  
109, 152) }
```

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