

Converting Colors

$Y_{xy}(22.6825, 0.3619, 0.2895)$

Have a look what the booklet for
Yxy(22.6825, 0.3619, 0.2895)
contains.

Yxy(22.6825, 0.3619, 0.2895)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6825, 0.3619, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	B0708B
RGB	176, 112, 139
RGB Percent	69%, 44%, 55%
CMY	0.3099, 0.5607, 0.4549
CMYK	0.00, 0.36, 0.21, 0.31
HSL	335°, 29%, 56%
HSV	335°, 36%, 69%
XYZ	28.3551, 22.6825, 27.3130
YIQ	134.2140, 29.4770, 21.9650

Conversions

Conversions Part 2

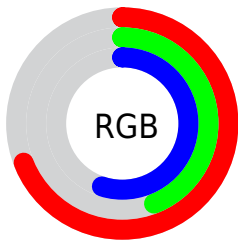
Format	Color
R_{YB}	176, 112, 139
Decimal	11563147
CIE _{Lab}	54.74, 29.16, -4.16
CIE _{LCh}	55, 29.459, 351.877
Yxy	22.6825, 0.3619, 0.2895
Android (android.graphics.Color)	4289753227 (0xFFB0708B)
YUV	134.2140, 2.3595, 36.6463
Hunter-Lab	47.6261, 22.9274, -0.6638

Details

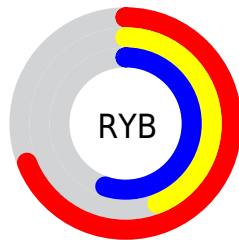
The Yxy color $22.6825, 0.3619, 0.2895$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $36.6561, 0.2810, 0.3728$, and the grayscale version is $23.9068, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.0397, 0.3519, 0.2988$, and $8.4139, 0.3807, 0.2760$ is the 20% darker color. If you saturate the color by 10%, you get $18.8880, 0.3820, 0.2787$, and if you desaturate by 10%, it is $27.2657, 0.3449, 0.3007$.

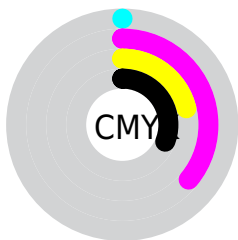
Distribution



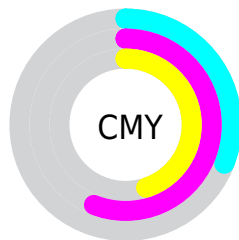
- Red (69%)
- Green (44%)
- Blue (55%)



- Red (69%)
- Yellow (44%)
- Blue (55%)



- Cyan (0%)
- Magenta (36%)
- Yellow (21%)
- Black (31%)




- Cyan (31%)
- Magenta (56%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6825, 0.3619, 0.2895 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 22.6825, 0.3619, 0.2895 by changing the saturation by 10% instead.


 22.6825, 0.3619,
0.2895


 22.6825, 0.3619,
0.2895


266.0900, 0.3346,
0.3111


 14.3592, 0.3698,
0.2834


 47.8715, 0.3513,
0.2979

 8.3709, 0.3806,
0.2751


 65.5060, 0.3475,
0.3008

 4.3332, 0.3965,
0.2631

 87.0130, 0.3444,
0.3033

 1.8617, 0.4218,
0.2444

 112.7770, 0.3418,
0.3054

 0.5252, 0.4774,
0.1978

143.1823, 0.3396,
0.3071

 0.0000, 1.0000,
0.0000

178.6133, 0.3377,

 0.0000, 0.0000,

0.3086

0.0000

219.4544, 0.3361,
0.3100

■ 22.6825, 0.3619,
0.2895

■ 22.6825, 0.3619,
0.2895

■ 18.8880, 0.3820,
0.2787

■ 27.2657, 0.3449,
0.3007

■ 15.8340, 0.4054,
0.2691

■ 32.6759, 0.3308,
0.3119

■ 13.4715, 0.4318,
0.2619


■ 38.9529, 0.3191,
0.3226

■ 11.7448, 0.4603,
0.2583


■ 46.1327, 0.3094,
0.3326


■ 10.5888, 0.4896,
0.2593

■ 54.2494, 0.3015,
0.3419

 9.9167, 0.5178,
0.2654

 63.3354, 0.2949,
0.3505

 9.7252, 0.5279,
0.2682

 73.4213, 0.2895,
0.3583

 84.5367, 0.2851,
0.3655

 86.4911, 0.2800,
0.3561

Harmonies

Analogous

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



22.6825, 0.3087, 0.2607



22.6825, 0.3619, 0.2895



22.6825, 0.4032, 0.3278

Triad

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



22.6825, 0.3619, 0.2895



22.6825, 0.3608, 0.4237



22.6825, 0.2180, 0.2758

Complementary

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



22.6825, 0.3619, 0.2895



36.6561, 0.2810, 0.3728

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.



22.6825, 0.2293, 0.3198



22.6825, 0.3619, 0.2895



22.6825, 0.3098, 0.4131

Square

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



22.6825, 0.3619, 0.2895



22.6825, 0.4008, 0.4049



22.6825, 0.2619, 0.3726



22.6825, 0.2290, 0.2510

Rectangle

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



22.6825, 0.3619, 0.2895



22.6825, 0.4161, 0.3555



22.6825, 0.2619, 0.3726



22.6825, 0.2193, 0.2886

Sweetspot

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



22.6836, 0.3619, 0.2895



64.9491, 0.3244, 0.3175



21.0458, 0.2855, 0.2321



13.7534, 0.3260, 0.3160



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.



22.6836, 0.3619, 0.2895



35.2602, 0.3786, 0.2803



22.9530, 0.3963, 0.3356



8.5628, 0.3223, 0.3194



7.1490, 0.5253, 0.2667



0.2367, 0.4545, 0.2278

Inverse Universe

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



22.6836, 0.3619, 0.2895



35.2602, 0.3786, 0.2803



35.9746, 0.2617, 0.3222



8.5628, 0.3223, 0.3194



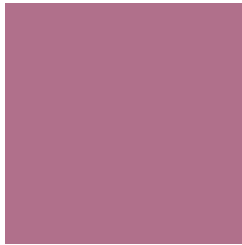
7.1490, 0.5253, 0.2667



0.2367, 0.4545, 0.2278

Previews

White Background



This preview shows how the Yxy color 22.6825, 0.3619, 0.2895 looks on a white background.

Color Contrast Check

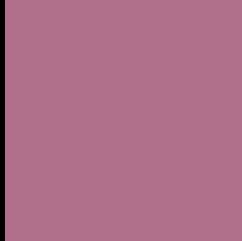
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6825, 0.3619, 0.2895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

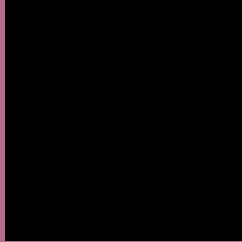
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6825, 0.3619, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 22.6825, 0.3619, 0.2895.



This preview shows how white text looks on a background with the Yxy color 22.6825, 0.3619, 0.2895.

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

22.6825, 0.3619, 0.2895

Protanopia

22.7565, 0.2900, 0.2947

Deuteranopia

22.7071, 0.3205, 0.3139



Tritanopia

22.6902, 0.3797, 0.3172

Trichromacy



Original Color

22.6825, 0.3619, 0.2895

Protanomaly

22.2610, 0.3133, 0.2912

Deuteranomaly

22.5952, 0.3346, 0.3049

Tritanomaly

22.7336, 0.3733, 0.3068

Monochromacy



Original Color

22.6825, 0.3619, 0.2895

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0888, 0.3290, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6825, 0.3619, 0.2895 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(176, 112, 139)` looks like.

```
.text, #text, p{  
    color:rgb(176, 112, 139)  
}
```

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(176, 112, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 112, 139) }
```

Border

The CSS property to change the border of an element to Yxy 22.6825, 0.3619, 0.2895 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(176, 112, 139) }
```

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

```
.border{ border-color:rgb(176, 112, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 112, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 112, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 112, 139);  
box-shadow:4px 4px 4px 4px rgb(176, 112,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6825, 0.3619, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 112, 139) }
```

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

```
.background{ background-color: rgb(176,  
112, 139) }
```

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