

Converting Colors

$Y_{xy}(22.1675, 0.3653, 0.2601)$

Have a look what the booklet for
Yxy(22.1675, 0.3653, 0.2601)
contains.

Yxy(22.1675, 0.3653, 0.2601)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1675, 0.3653, 0.2601)

Conversions

Conversions Part 1

Format	Color
Hex	BD6497
RGB	189, 100, 151
RGB Percent	74%, 39%, 59%
CMY	0.2588, 0.6079, 0.4077
CMYK	0.00, 0.47, 0.20, 0.26
HSL	326°, 40%, 57%
HSV	326°, 47%, 74%
XYZ	31.1334, 22.1675, 31.9260
YIQ	132.4250, 36.6730, 34.7290

Conversions

Conversions Part 2

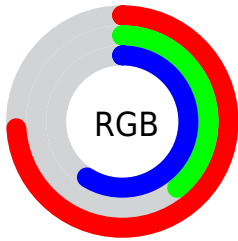
Format	Color
R_{YB}	189, 100, 151
Decimal	12412055
CIE _{Lab}	54.20, 42.06, -11.83
CIE _{LCh}	54, 43.693, 344.294
Yxy	22.1675, 0.3653, 0.2601
Android (android.graphics.Color)	4290602135 (0xFFBD6497)
YUV	132.4250, 9.1575, 49.6163
Hunter-Lab	47.0824, 35.6395, -7.2461

Details

The Yxy color **22.1675, 0.3653, 0.2601** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **40.9446, 0.2820, 0.4117**, and the grayscale version is **23.1925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9644, 0.3546, 0.2741**, and **8.1033, 0.3833, 0.2376** is the 20% darker color. If you saturate the color by 10%, you get **18.7008, 0.3819, 0.2472**, and if you desaturate by 10%, it is **26.4952, 0.3506, 0.2745**.

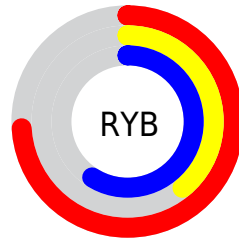
Distribution



Red (74%)

Green (39%)

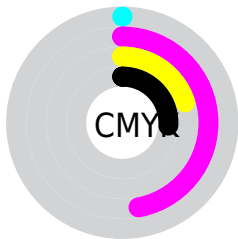
Blue (59%)



Red (74%)

Yellow (39%)

Blue (59%)

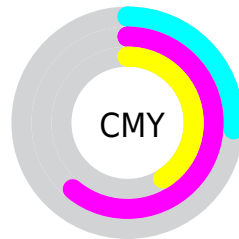


Cyan (0%)

Magenta (47%)

Yellow (20%)

Black (26%)



Cyan (26%)


Magenta (61%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1675, 0.3653, 0.2601 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 22.1675, 0.3653, 0.2601 by changing the saturation by 10% instead.


 22.1675, 0.3653,
0.2601


 22.1675, 0.3653,
0.2601


263.4198, 0.3368,
0.2968

 13.9800, 0.3732,
0.2502


 47.0227, 0.3544,
0.2740

 8.1068, 0.3839,
0.2371

 64.4592, 0.3504,
0.2790

 4.1633, 0.3991,
0.2188


 85.7475, 0.3472,
0.2832

 1.7654, 0.4223,
0.1918

 111.2720, 0.3445,
0.2868

 0.4654, 0.4698,
0.1335

141.4170, 0.3421,
0.2898

 0.0000, 0.7647,
0.0000

176.5671, 0.3401,

 0.0000, 0.0000,

0.2924

0.0000

217.1065, 0.3384,
0.2947

■ 22.1675, 0.3653,
0.2601

■ 22.1675, 0.3653,
0.2601

■ 18.7008, 0.3819,
0.2472

■ 26.4952, 0.3506,
0.2745

■ 16.0327, 0.4003,
0.2369

■ 31.7345, 0.3380,
0.2896

■ 14.0971, 0.4199,
0.2305


■ 37.9358, 0.3273,
0.3046


■ 12.8161, 0.4399,
0.2288

■ 45.1446, 0.3182,
0.3191


■ 12.0806, 0.4596,
0.2323


■ 53.4039, 0.3107,
0.3329

 11.9109, 0.4654,
0.2337

 62.7539, 0.3044,
0.3458

 73.2328, 0.2992,
0.3577

 84.8768, 0.2949,
0.3687

 87.7018, 0.2907,
0.3634

Harmonies

Analogous

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



22.1675, 0.2857, 0.2253



22.1675, 0.3653, 0.2601



22.1675, 0.4358, 0.3095

Triad

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



22.1675, 0.3653, 0.2601



22.1675, 0.3962, 0.4648



22.1675, 0.1793, 0.2616

Complementary

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



22.1675, 0.3653, 0.2601



40.9446, 0.2820, 0.4117

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.



22.1675, 0.2008, 0.3321



22.1675, 0.3653, 0.2601



22.1675, 0.3236, 0.4684

Square

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



22.1675, 0.3653, 0.2601



22.1675, 0.4502, 0.4222



22.1675, 0.2521, 0.4155



22.1675, 0.1871, 0.2219

Rectangle

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



22.1675, 0.3653, 0.2601



22.1675, 0.4623, 0.3468



22.1675, 0.2521, 0.4155



22.1675, 0.1831, 0.2819

Sweetspot

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



22.1686, 0.3653, 0.2601



71.4538, 0.3245, 0.3089



18.1130, 0.2601, 0.1957



14.7936, 0.3266, 0.3057



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



22.1686, 0.3653, 0.2601



33.0470, 0.3834, 0.2462



21.0036, 0.4288, 0.3191



9.6256, 0.3201, 0.3159



8.0282, 0.4630, 0.2324



0.3273, 0.4202, 0.2089

Inverse Universe

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



22.1686, 0.3653, 0.2601



33.0470, 0.3834, 0.2462



42.4708, 0.2551, 0.3401



9.6256, 0.3201, 0.3159



8.0282, 0.4630, 0.2324



0.3273, 0.4202, 0.2089

Previews

White Background



This preview shows how the Yxy color 22.1675, 0.3653, 0.2601 looks on a white background.

Color Contrast Check

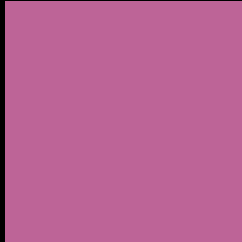
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1675, 0.3653, 0.2601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

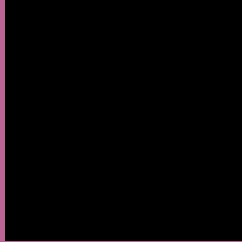
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1675, 0.3653, 0.2601

Background



This preview shows how black text looks on a background with the Yxy color 22.1675, 0.3653, 0.2601.



This preview shows how white text looks on a background with the Yxy color 22.1675, 0.3653, 0.2601.

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

22.1675, 0.3653, 0.2601

Protanopia

22.5627, 0.2620, 0.2592

Deuteranopia

22.4050, 0.3016, 0.2968



Tritanopia

22.0675, 0.4086, 0.3179

Trichromacy



Original Color

22.1675, 0.3653, 0.2601

Protanomaly

21.5665, 0.2930, 0.2560

Deuteranomaly

21.8293, 0.3236, 0.2800

Tritanomaly

21.8982, 0.3926, 0.2955

Monochromacy



Original Color

22.1675, 0.3653, 0.2601

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.0693, 0.3314, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1675, 0.3653, 0.2601 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(189, 100, 151)` looks like.

```
.text, #text, p{  
    color:rgb(189, 100, 151)  
}
```

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(189, 100, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 100, 151) }
```

Border

The CSS property to change the border of an element to Yxy 22.1675, 0.3653, 0.2601 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(189, 100, 151) }
```

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

```
.border{ border-color:rgb(189, 100, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 100, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 100, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 100, 151);  
box-shadow:4px 4px 4px 4px rgb(189, 100,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1675, 0.3653, 0.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 100, 151) }
```

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

```
.background{ background-color: rgb(189,  
100, 151) }
```

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