

Converting Colors

$Y_{xy}(19.9671, 0.3620, 0.2572)$

Have a look what the booklet for
Yxy(19.9671, 0.3620, 0.2572)
contains.

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Color

Yxy(19.9630, 0.3620, 0.2571)

Conversions

Conversions Part 1

Format	Color
Hex	B45F92
RGB	180, 95, 146
RGB Percent	71%, 37%, 57%
CMY	0.2940, 0.6275, 0.4274
CMYK	0.00, 0.47, 0.19, 0.29
HSL	324°, 36%, 54%
HSV	324°, 47%, 71%
XYZ	28.1082, 19.9630, 29.5757
YIQ	126.2290, 34.2890, 33.8810

Conversions

Conversions Part 2

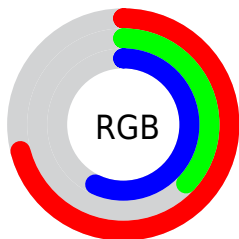
Format	Color
R _Y B	180, 95, 146
Decimal	11820946
CIE Lab	51.80, 40.90, -12.64
CIE LCh	52, 42.807, 342.830
Yxy	19.9630, 0.3620, 0.2571
Android (android.graphics.Color)	4290011026 (0xFFB45F92)
YUV	126.2290, 9.7471, 47.1572
Hunter-Lab	44.6800, 34.1043, -7.9707

Details

The Yxy color **19.9630, 0.3620, 0.2571** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.6682, 0.2835, 0.4158**, and the grayscale version is **20.9034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3545, 0.3510, 0.2721**, and **6.9876, 0.3810, 0.2330** is the 20% darker color. If you saturate the color by 10%, you get **16.8705, 0.3774, 0.2437**, and if you desaturate by 10%, it is **23.8208, 0.3484, 0.2721**.

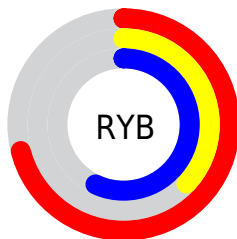
Distribution



Red (71%)

Green (37%)

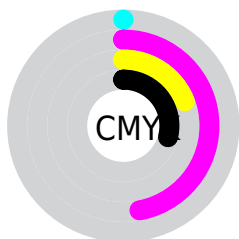
Blue (57%)



Red (71%)

Yellow (37%)

Blue (57%)

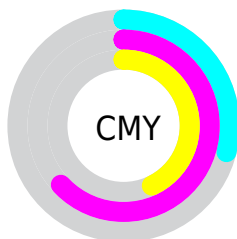


Cyan (0%)

Magenta (47%)

Yellow (19%)

Black (29%)



Cyan (29%)


Magenta (63%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9630, 0.3620, 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 19.9630, 0.3620, 0.2571 by changing the saturation by 10% instead.


 19.9630, 0.3620,
0.2571


 19.9630, 0.3620,
0.2571


251.7147, 0.3350,
0.2958


 12.3682, 0.3696,
0.2465


 43.3551, 0.3516,
0.2719


 6.9949, 0.3799,
0.2322


 59.9212, 0.3479,
0.2772

 3.4589, 0.3948,
0.2121

 80.2465, 0.3448,
0.2816

 1.3758, 0.4178,
0.1821

 104.7154, 0.3422,
0.2854

 0.1988, 0.4866,
0.0782

133.7123, 0.3400,
0.2886

 0.0000, 1.0000,
0.0000

167.6215, 0.3381,

 0.0000, 0.0000,

0.2913

0.0000

206.8275, 0.3365,
0.2937

■ 19.9630, 0.3620,
0.2571

■ 19.9630, 0.3620,
0.2571

■ 16.8705, 0.3774,
0.2437

■ 23.8208, 0.3484,
0.2721

■ 14.4878, 0.3943,
0.2329

■ 28.4888, 0.3366,
0.2877

■ 12.7566, 0.4122,
0.2258

■ 34.0114, 0.3265,
0.3034


■ 11.6078, 0.4305,
0.2235


■ 40.4294, 0.3180,
0.3185

■ 10.9406, 0.4486,
0.2262


■ 47.7806, 0.3109,
0.3329

 10.7897, 0.4536,
0.2273

 56.1007, 0.3049,
0.3463

 65.4238, 0.3000,
0.3588

 75.7818, 0.2959,
0.3703

 85.9191, 0.2924,
0.3788

Harmonies

Analogous

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



19.9630, 0.2817, 0.2229



19.9630, 0.3620, 0.2571



19.9630, 0.4348, 0.3065

Triad

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



19.9630, 0.3620, 0.2571



19.9630, 0.4003, 0.4651



19.9630, 0.1780, 0.2634

Complementary

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



19.9630, 0.3620, 0.2571



36.6682, 0.2835, 0.4158

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.



19.9630, 0.2012, 0.3361



19.9630, 0.3620, 0.2571



19.9630, 0.3273, 0.4717

Square

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



19.9630, 0.3620, 0.2571



19.9630, 0.4538, 0.4205



19.9630, 0.2544, 0.4207



19.9630, 0.1845, 0.2217

Rectangle

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



19.9630, 0.3620, 0.2571



19.9630, 0.4632, 0.3440



19.9630, 0.2544, 0.4207



19.9630, 0.1823, 0.2844

Sweetspot

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



19.9640, 0.3620, 0.2571



64.9663, 0.3238, 0.3080



16.0350, 0.2570, 0.1947



13.5298, 0.3257, 0.3047



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.



19.9640, 0.3620, 0.2571



30.2197, 0.3786, 0.2428



18.9059, 0.4243, 0.3150



8.5880, 0.3197, 0.3154



7.5420, 0.4516, 0.2261



0.2485, 0.4062, 0.2012

Inverse Universe

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



19.9640, 0.3620, 0.2571



30.2197, 0.3786, 0.2428



37.9898, 0.2568, 0.3447



8.5880, 0.3197, 0.3154



7.5420, 0.4516, 0.2261



0.2485, 0.4062, 0.2012

Previews

White Background



This preview shows how the Yxy color 19.9630, 0.3620, 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 19.9630, 0.3620, 0.2571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

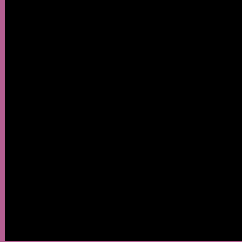
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9630, 0.3620, 0.2571

Background



This preview shows how black text looks on a background with the Yxy color 19.9630, 0.3620, 0.2571.



This preview shows how white text looks on a background with the Yxy color 19.9630, 0.3620, 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

19.9630, 0.3620, 0.2571

Protanopia

20.0804, 0.2589, 0.2545

Deuteranopia

20.2169, 0.2978, 0.2920



Tritanopia

19.8586, 0.4071, 0.3174

Trichromacy



Original Color

19.9630, 0.3620, 0.2571

Protanomaly

19.3753, 0.2910, 0.2530

Deuteranomaly

19.7746, 0.3202, 0.2779

Tritanomaly

19.7009, 0.3904, 0.2939

Monochromacy



Original Color

19.9630, 0.3620, 0.2571

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.0659, 0.3307, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9630, 0.3620, 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(180, 95, 146)` looks like.

```
.text, #text, p{  
    color:rgb(180, 95, 146)  
}
```

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(180, 95, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 95, 146) }
```

Border

The CSS property to change the border of an element to Yxy 19.9630, 0.3620, 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(180, 95, 146) }
```

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

```
.border{ border-color:rgb(180, 95, 146) }
```

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

Here you see how a box with a 4 pixel rgb(180, 95, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 95, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 95, 146);  
box-shadow:4px 4px 4px 4px rgb(180, 95,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9630, 0.3620, 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(180, 95, 146) }
```

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

```
.background{ background-color: rgb(180, 95,  
146) }
```

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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