

Converting Colors

$Y_{xy}(19.3652, 0.3191, 0.2192)$

Have a look what the booklet for
Yxy(19.3652, 0.3191, 0.2192)
contains.

Yxy(19.3652, 0.3191, 0.2192)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.3652, 0.3191, 0.2192)

Conversions

Conversions Part 1

Format	Color
Hex	AC5CAB
RGB	172, 92, 171
RGB Percent	67%, 36%, 67%
CMY	0.3255, 0.6392, 0.3293
CMYK	0.00, 0.47, 0.01, 0.33
HSL	301°, 33%, 52%
HSV	301°, 47%, 67%
XYZ	28.1909, 19.3652, 40.7888
YIQ	124.9260, 22.3210, 41.5290

Conversions

Conversions Part 2

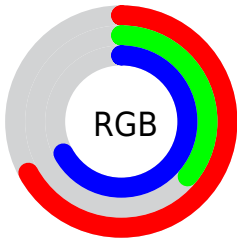
Format	Color
R_{YB}	172, 92, 171
Decimal	11295915
CIE _{Lab}	51.11, 44.17, -28.47
CIE _{LCh}	51, 52.549, 327.202
Yxy	19.3652, 0.3191, 0.2192
Android (android.graphics.Color)	4289485995 (0xFFAC5CAB)
YUV	124.9260, 22.7145, 41.2839
Hunter-Lab	44.0059, 37.3395, -24.1514

Details

The Yxy color **19.3652, 0.3191, 0.2192** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **32.5674, 0.3054, 0.4704**, and the grayscale version is **20.3994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4549, 0.3187, 0.2403**, and **6.7454, 0.3194, 0.1868** is the 20% darker color. If you saturate the color by 10%, you get **16.7087, 0.3204, 0.1994**, and if you desaturate by 10%, it is **22.6998, 0.3177, 0.2414**.

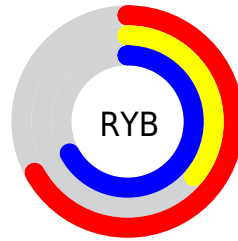
Distribution



Red (67%)

Green (36%)

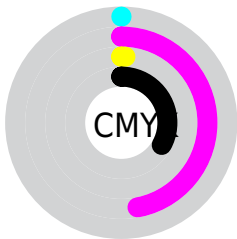
Blue (67%)



Red (67%)

Yellow (36%)

Blue (67%)

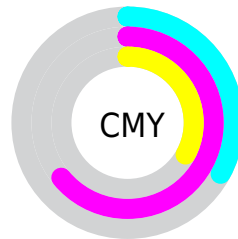


Cyan (0%)

Magenta (47%)

Yellow (1%)

Black (33%)



Cyan (33%)


Magenta (64%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3652, 0.3191, 0.2192 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 19.3652, 0.3191, 0.2192 by changing the saturation by 10% instead.


 19.3652, 0.3191,
0.2192


 19.3652, 0.3191,
0.2192


248.4575, 0.3175,
0.2764


 11.9345, 0.3188,
0.2044


 42.3503, 0.3190,
0.2404


 6.6991, 0.3178,
0.1853


 58.6734, 0.3188,
0.2483

 3.2746, 0.3156,
0.1598


 78.7295, 0.3186,
0.2548

 1.2767, 0.3100,
0.1247

 102.9029, 0.3184,
0.2604

 0.1231, 0.3101,
0.0306

131.5780, 0.3181,
0.2653

 0.0000, 0.1347,
0.0000

165.1392, 0.3179,

 0.0000, 0.0000,

0.2694

0.0000

203.9709, 0.3177,
0.2731

■ 19.3652, 0.3191,
0.2192

■ 19.3652, 0.3191,
0.2192

■ 16.7087, 0.3204,
0.1994

■ 22.6998, 0.3177,
0.2414

■ 14.6815, 0.3215,
0.1828

■ 26.7521, 0.3163,
0.2651

■ 13.2321, 0.3225,
0.1702

■ 31.5614, 0.3149,
0.2895

■ 12.3000, 0.3232,
0.1616

■ 37.1637, 0.3136,
0.3136

■ 11.8014, 0.3238,
0.1571

■ 43.5924, 0.3123,
0.3371

■ 11.6681, 0.3240,
0.1558

■ 50.8793, 0.3111,
0.3593

■ 59.0543, 0.3100,
0.3802

■ 68.1460, 0.3089,
0.3994

■ 78.1816, 0.3080,
0.4171

Harmonies

Analogous

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



19.3652, 0.2313, 0.1916



19.3652, 0.3191, 0.2192



19.3652, 0.4202, 0.2681

Triad

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



19.3652, 0.3191, 0.2192



19.3652, 0.4532, 0.4643



19.3652, 0.1611, 0.2875

Complementary

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



19.3652, 0.3191, 0.2192



32.5674, 0.3054, 0.4704

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.



19.3652, 0.2053, 0.3938



19.3652, 0.3191, 0.2192



19.3652, 0.3732, 0.5093

Square

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



19.3652, 0.3191, 0.2192



19.3652, 0.5004, 0.3973



19.3652, 0.2827, 0.4890



19.3652, 0.1525, 0.2189

Rectangle

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



19.3652, 0.3191, 0.2192



19.3652, 0.4737, 0.3084



19.3652, 0.2827, 0.4890



19.3652, 0.1717, 0.3199

Sweetspot

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



19.3661, 0.3191, 0.2192



59.4269, 0.3146, 0.2950



12.9093, 0.2264, 0.1863



12.4779, 0.3149, 0.2899



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.



19.3661, 0.3191, 0.2192



30.1057, 0.3204, 0.1985



18.0910, 0.3726, 0.2696



8.1464, 0.3139, 0.3069



8.6846, 0.3239, 0.1558



0.2421, 0.3230, 0.1553

Inverse Universe

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



19.3661, 0.3191, 0.2192



30.1057, 0.3204, 0.1985



33.4434, 0.2783, 0.3990



8.1464, 0.3139, 0.3069



8.6846, 0.3239, 0.1558



0.2421, 0.3230, 0.1553

Previews

White Background



This preview shows how the Yxy color 19.3652, 0.3191, 0.2192 looks on a white background.

Color Contrast Check

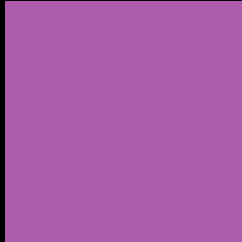
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3652, 0.3191, 0.2192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

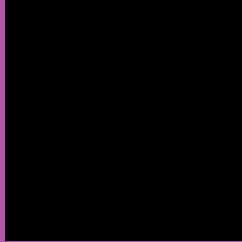
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3652, 0.3191, 0.2192

Background



This preview shows how black text looks on a background with the Yxy color 19.3652, 0.3191, 0.2192.



This preview shows how white text looks on a background with the Yxy color 19.3652, 0.3191, 0.2192.

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

19.3652, 0.3191, 0.2192

Protanopia

19.7077, 0.2229, 0.2085

Deuteranopia

19.6791, 0.2550, 0.2506



Tritanopia

19.2947, 0.3864, 0.3166

Trichromacy



Original Color

19.3652, 0.3191, 0.2192

Protanomaly

18.8346, 0.2490, 0.2088

Deuteranomaly

18.8845, 0.2750, 0.2344

Tritanomaly

19.1604, 0.3619, 0.2773

Monochromacy



Original Color

19.3652, 0.3191, 0.2192

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.5140, 0.3150, 0.2801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3652, 0.3191, 0.2192 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, 92, 171)` looks like.

```
.text, #text, p{  
    color:rgb(172, 92, 171)  
}
```

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, 92, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 92, 171) }
```

Border

The CSS property to change the border of an element to Yxy 19.3652, 0.3191, 0.2192 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, 92, 171) }
```

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

```
.border{ border-color:rgb(172, 92, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 92, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 92, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 92, 171);  
box-shadow:4px 4px 4px 4px rgb(172, 92,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3652, 0.3191, 0.2192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 92, 171) }
```

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

```
.background{ background-color: rgb(172, 92,  
171) }
```

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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