

Converting Colors

$Y_{xy}(20.0853, 0.3193, 0.1883)$

Have a look what the booklet for
Yxy(20.0853, 0.3193, 0.1883)
contains.

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Color

Yxy(20.0853, 0.3193, 0.1883)

Conversions

Conversions Part 1

Format	Color
Hex	C14AC1
RGB	193, 74, 193
RGB Percent	76%, 29%, 76%
CMY	0.2433, 0.7096, 0.2432
CMYK	0.00, 0.62, 0.00, 0.24
HSL	300°, 49%, 52%
HSV	300°, 62%, 76%
XYZ	34.0586, 20.0853, 52.5226
YIQ	123.1470, 32.7250, 62.2370

Conversions

Conversions Part 2

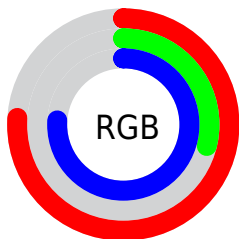
Format	Color
RYB	193, 74, 193
Decimal	12667585
CIELab	51.93, 62.32, -39.73
CIELCh	52, 73.907, 327.486
Yxy	20.0853, 0.3193, 0.1883
Android (android.graphics.Color)	4290857665 (0xFFC14AC1)
YUV	123.1470, 34.4375, 61.2611
Hunter-Lab	44.8166, 57.2228, -38.1129

Details

The Yxy color **20.0853, 0.3193, 0.1883** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **40.0849, 0.3035, 0.5259**, and the grayscale version is **19.7393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5628, 0.3200, 0.2132**, and **7.0983, 0.3157, 0.1513** is the 20% darker color. If you saturate the color by 10%, you get **17.8907, 0.3200, 0.1737**, and if you desaturate by 10%, it is **23.0720, 0.3184, 0.2067**.

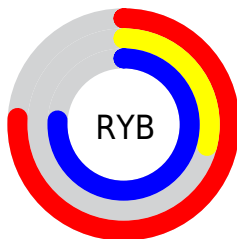
Distribution



Red (76%)

Green (29%)

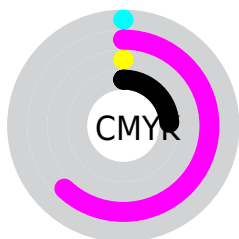
Blue (76%)



Red (76%)

Yellow (29%)

Blue (76%)

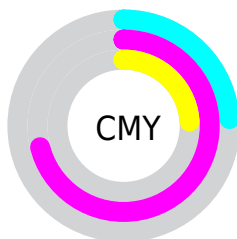


Cyan (0%)

Magenta (62%)

Yellow (0%)

Black (24%)



Cyan (24%)


Magenta (71%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0853, 0.3193, 0.1883 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 20.0853, 0.3193, 0.1883 by changing the saturation by 10% instead.


 20.0853, 0.3193,
0.1883


 20.0853, 0.3193,
0.1883


252.3765, 0.3191,
0.2581


 12.4571, 0.3182,
0.1716


 43.5601, 0.3200,
0.2133

 7.0558, 0.3161,
0.1508


 60.1756, 0.3200,
0.2228


 3.4970, 0.3120,
0.1246


 80.5555, 0.3200,
0.2309

 1.3964, 0.3037,
0.0914

 105.0843, 0.3198,
0.2378

 0.2141, 0.2922,
0.0302

 134.1464, 0.3196,
0.2439

 0.0000, 0.2450,
0.0000

168.1262, 0.3195,

 0.0000, 0.0000,

0.2492

0.0000

207.4081, 0.3193,
0.2539

■ 20.0853, 0.3193,
0.1883

■ 20.0853, 0.3193,
0.1883

■ 17.8907, 0.3200,
0.1737

■ 23.0720, 0.3184,
0.2067

■ 16.4107, 0.3205,
0.1632

■ 26.9136, 0.3174,
0.2280

■ 15.5568, 0.3208,
0.1570

■ 31.6697, 0.3163,
0.2514

■ 15.1814, 0.3209,
0.1541

■ 37.3936, 0.3152,
0.2759

■ 44.1349, 0.3140,
0.3007

■ 51.9395, 0.3129,
0.3251

■ 60.8505, 0.3118,
0.3485

■ 70.9089, 0.3108,
0.3705

■ 82.1532, 0.3098,
0.3910

Harmonies

Analogous

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



20.0853, 0.2049, 0.1549



20.0853, 0.3193, 0.1883



20.0853, 0.4610, 0.2470

Triad

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



20.0853, 0.3193, 0.1883



20.0853, 0.4822, 0.4908



20.0853, 0.1173, 0.2640

Complementary

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



20.0853, 0.3193, 0.1883



40.0849, 0.3035, 0.5259

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.



20.0853, 0.1657, 0.4169



20.0853, 0.3193, 0.1883



20.0853, 0.3749, 0.5720

Square

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



20.0853, 0.3193, 0.1883



20.0853, 0.5560, 0.3994



20.0853, 0.2608, 0.5625



20.0853, 0.1110, 0.1808

Rectangle

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



20.0853, 0.3193, 0.1883



20.0853, 0.5347, 0.2946



20.0853, 0.2608, 0.5625



20.0853, 0.1280, 0.3078

Sweetspot

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



20.0862, 0.3193, 0.1883



70.8238, 0.3148, 0.2843



10.4798, 0.1948, 0.1358



14.4702, 0.3152, 0.2770



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



20.0862, 0.3193, 0.1883



30.9750, 0.3202, 0.1695



18.0019, 0.4012, 0.2503



10.2475, 0.3138, 0.3063



10.0997, 0.3209, 0.1541



0.4364, 0.3209, 0.1541

Inverse Universe

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



16.7338, 0.5057, 0.3296



24.4647, 0.5692, 0.3297



41.2424, 0.2725, 0.4318



10.0779, 0.3289, 0.3290



7.5408, 0.6401, 0.3300



0.3258, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 20.0853, 0.3193, 0.1883 looks on a white background.

Color Contrast Check

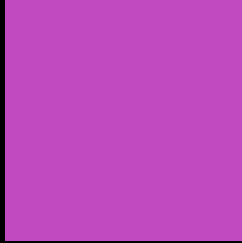
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0853, 0.3193, 0.1883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

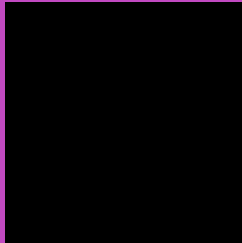
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0853, 0.3193, 0.1883

Background



This preview shows how black text looks on a background with the Yxy color 20.0853, 0.3193, 0.1883.



This preview shows how white text looks on a background with the Yxy color 20.0853, 0.3193, 0.1883.

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

20.0853, 0.3193, 0.1883

Protanopia

20.7230, 0.1886, 0.1635

Deuteranopia

20.4595, 0.2319, 0.2271



Tritanopia

20.0316, 0.4239, 0.3194

Trichromacy



Original Color

20.0853, 0.3193, 0.1883



Protanomaly

18.3191, 0.2150, 0.1629



Deuteranomaly

18.8444, 0.2566, 0.2036



Tritanomaly

19.7121, 0.3843, 0.2636

Monochromacy



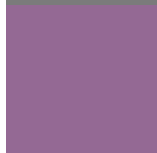
Original Color

20.0853, 0.3193, 0.1883



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.5372, 0.3160, 0.2591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0853, 0.3193, 0.1883 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(193, 74, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 74, 193)  
}
```

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(193, 74, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 74, 193) }
```

Border

The CSS property to change the border of an element to Yxy 20.0853, 0.3193, 0.1883 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(193, 74, 193) }
```

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

```
.border{ border-color:rgb(193, 74, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 74, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 74, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 74, 193); box-shadow:4px 4px 4px 4px rgb(193, 74, 193) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0853, 0.3193, 0.1883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 74, 193) }
```

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

```
.background{ background-color: rgb(193, 74,  
193) }
```

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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