

Converting Colors

$Y_{xy}(20.7211, 0.3116, 0.1802)$

Have a look what the booklet for
Yxy(20.7211, 0.3116, 0.1802)
contains.

Yxy(20.8126, 0.3114, 0.1804)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(20.8126, 0.3114, 0.1804)

Conversions

Conversions Part 1

Format	Color
Hex	C449CB
RGB	196, 73, 203
RGB Percent	77%, 29%, 80%
CMY	0.2314, 0.7137, 0.2039
CMYK	0.03, 0.64, 0.00, 0.20
HSL	297°, 56%, 54%
HSV	297°, 64%, 80%
XYZ	35.9260, 20.8126, 58.6306
YIQ	124.5970, 31.5780, 66.5060

Conversions

Conversions Part 2

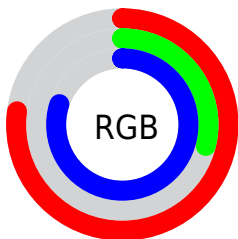
Format	Color
RYB	196, 73, 203
Decimal	12863947
CIELab	52.74, 65.21, -44.19
CIELCh	53, 78.768, 325.876
Yxy	20.8126, 0.3114, 0.1804
Android (android.graphics.Color)	4291054027 (0xFFC449CB)
YUV	124.5970, 38.6527, 62.6204
Hunter-Lab	45.6208, 60.7306, -44.2633

Details

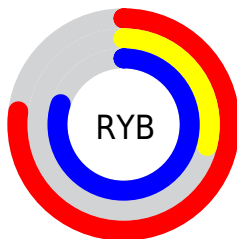
The Yxy color **20.8126, 0.3114, 0.1804** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **44.9055, 0.3066, 0.5321**, and the grayscale version is **20.2277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4453, 0.3183, 0.2103**, and **7.6271, 0.3060, 0.1459** is the 20% darker color. If you saturate the color by 10%, you get **18.4203, 0.3105, 0.1657**, and if you desaturate by 10%, it is **24.0782, 0.3121, 0.1990**.

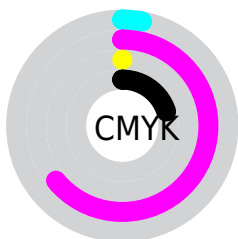
Distribution



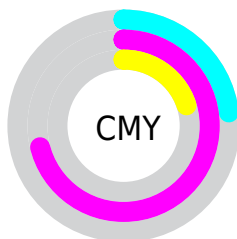
- Red (77%)
- Green (29%)
- Blue (80%)



- Red (77%)
- Yellow (29%)
- Blue (80%)



- Cyan (3%)
- Magenta (64%)
- Yellow (0%)
- Black (20%)




- Cyan (23%)
- Magenta (71%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8126, 0.3114, 0.1804 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 20.8126, 0.3114, 0.1804 by changing the saturation by 10% instead.


 20.8126, 0.3114,
0.1804


 20.8126, 0.3114,
0.1804


256.2809, 0.3158,
0.2529


 12.9871, 0.3090,
0.1635


 44.7754, 0.3139,
0.2060

 7.4197, 0.3052,
0.1427


 61.6816, 0.3146,
0.2158


 3.7259, 0.2989,
0.1170


 82.3833, 0.3150,
0.2243

 1.5215, 0.2876,
0.0851

 107.2652, 0.3154,
0.2315

 0.3038, 0.2700,
0.0347

 136.7114, 0.3155,
0.2379

 0.0000, 0.2262,
0.0000

171.1066, 0.3157,

 0.0000, 0.0000,

0.2435

0.0000

210.8349, 0.3158,
0.2484

■ 20.8126, 0.3114,
0.1804

■ 20.8126, 0.3114,
0.1804

■ 18.4203, 0.3105,
0.1657

■ 24.0782, 0.3121,
0.1990

■ 16.8102, 0.3094,
0.1552

■ 28.2909, 0.3126,
0.2206

■ 15.8762, 0.3081,
0.1490

■ 33.5196, 0.3129,
0.2444

■ 15.5250, 0.3073,
0.1467

■ 39.8264, 0.3131,
0.2693

■ 47.2680, 0.3130,
0.2945

■ 55.8976, 0.3128,
0.3193

■ 65.7646, 0.3125,
0.3430

■ 76.9158, 0.3122,
0.3653

■ 88.9339, 0.3118,
0.3854

Harmonies

Analogous

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



20.8126, 0.1953, 0.1478



20.8126, 0.3114, 0.1804



20.8126, 0.4608, 0.2394

Triad

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



20.8126, 0.3114, 0.1804



20.8126, 0.4913, 0.4884



20.8126, 0.1114, 0.2662

Complementary

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



20.8126, 0.3114, 0.1804



44.9055, 0.3066, 0.5321

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.



20.8126, 0.1628, 0.4315



20.8126, 0.3114, 0.1804



20.8126, 0.3801, 0.5789

Square

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



20.8126, 0.3114, 0.1804



20.8126, 0.5675, 0.3935



20.8126, 0.2622, 0.5815



20.8126, 0.1038, 0.1773

Rectangle

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



20.8126, 0.3114, 0.1804



20.8126, 0.5410, 0.2875



20.8126, 0.2622, 0.5815



20.8126, 0.1229, 0.3136

Sweetspot

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



20.8135, 0.3114, 0.1804



72.3950, 0.3130, 0.2814



11.7155, 0.1918, 0.1360



14.7428, 0.3131, 0.2741



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



20.8135, 0.3114, 0.1804



29.6160, 0.3101, 0.1610



19.5613, 0.3964, 0.2404



11.3717, 0.3129, 0.3061



9.8918, 0.3075, 0.1468



0.5200, 0.3103, 0.1483

Inverse Universe

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



18.0445, 0.5075, 0.3217



24.7849, 0.5712, 0.3227



45.7285, 0.2753, 0.4481



11.2233, 0.3282, 0.3278



8.0996, 0.6336, 0.3264



0.4214, 0.6125, 0.3148

Previews

White Background



This preview shows how the Yxy color 20.8126, 0.3114, 0.1804 looks on a white background.

Color Contrast Check

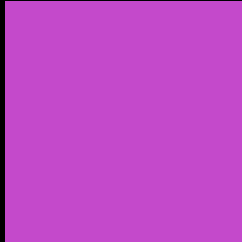
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8126, 0.3114, 0.1804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

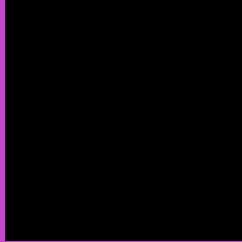
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8126, 0.3114, 0.1804

Background



This preview shows how black text looks on a background with the Yxy color 20.8126, 0.3114, 0.1804.



This preview shows how white text looks on a background with the Yxy color 20.8126, 0.3114, 0.1804.

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

20.8126, 0.3114, 0.1804

Protanopia

21.3791, 0.1808, 0.1528

Deuteranopia

21.0921, 0.2236, 0.2182



Tritanopia

20.7258, 0.4208, 0.3180

Trichromacy



Original Color

20.8126, 0.3114, 0.1804



Protanomaly

18.4931, 0.2030, 0.1507



Deuteranomaly

19.2924, 0.2477, 0.1947



Tritanomaly

20.2842, 0.3791, 0.2590

Monochromacy



Original Color

20.8126, 0.3114, 0.1804



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.1873, 0.3137, 0.2543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8126, 0.3114, 0.1804 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(196, 73, 203)` looks like.

```
.text, #text, p{  
    color:rgb(196, 73, 203)  
}
```

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(196, 73, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 73, 203) }
```

Border

The CSS property to change the border of an element to Yxy 20.8126, 0.3114, 0.1804 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(196, 73, 203) }
```

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

```
.border{ border-color:rgb(196, 73, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 73, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 73, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 73, 203);  
box-shadow:4px 4px 4px 4px rgb(196, 73,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8126, 0.3114, 0.1804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 73, 203) }
```

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

```
.background{ background-color: rgb(196, 73,  
203) }
```

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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