

Converting Colors

$Y_{xy}(20.2512, 0.3280, 0.1811)$

Have a look what the booklet for
Yxy(20.2512, 0.3280, 0.1811)
contains.

Yxy(20.2061, 0.3283, 0.1810)	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(20.2061, 0.3283, 0.1810)

Conversions

Conversions Part 1

Format	Color
Hex	CC3DC5
RGB	204, 61, 197
RGB Percent	80%, 24%, 77%
CMY	0.1999, 0.7608, 0.2275
CMYK	0.00, 0.70, 0.03, 0.20
HSL	303°, 58%, 52%
HSV	303°, 70%, 80%
XYZ	36.6501, 20.2061, 54.7797
YIQ	119.2610, 41.5720, 72.6120

Conversions

Conversions Part 2

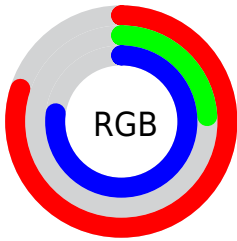
Format	Color
RYB	204, 61, 197
Decimal	13385157
CIELab	52.07, 70.53, -41.71
CIELCh	52, 81.935, 329.401
Yxy	20.2061, 0.3283, 0.1810
Android (android.graphics.Color)	4291575237 (0xFFCC3DC5)
YUV	119.2610, 38.3253, 74.3161
Hunter-Lab	44.9512, 66.8719, -40.7879

Details

The Yxy color **20.2061, 0.3283, 0.1810** 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 **44.6036, 0.2997, 0.5442**, and the grayscale version is **18.4009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0905, 0.3195, 0.2039**, and **8.0942, 0.3260, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **18.3821, 0.3303, 0.1703**, and if you desaturate by 10%, it is **22.8602, 0.3261, 0.1958**.

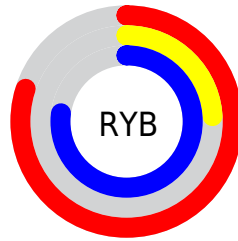
Distribution



Red (80%)

Green (24%)

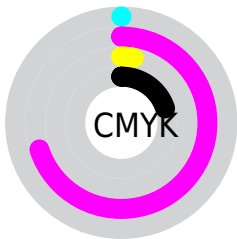
Blue (77%)



Red (80%)

Yellow (24%)

Blue (77%)

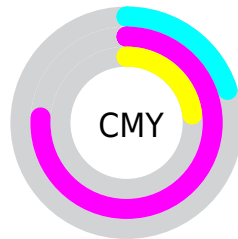


Cyan (0%)

Magenta (70%)

Yellow (3%)

Black (20%)



Cyan (20%)


Magenta (76%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2061, 0.3283, 0.1810 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 20.2061, 0.3283, 0.1810 by changing the saturation by 10% instead.


 20.2061, 0.3283,
0.1810


 20.2061, 0.3283,
0.1810


253.0287, 0.3236,
0.2534


 12.5449, 0.3283,
0.1640


 43.7625, 0.3274,
0.2066


 7.1160, 0.3276,
0.1431


 60.4264, 0.3269,
0.2165

 3.5347, 0.3253,
0.1171


 80.8602, 0.3263,
0.2249

 1.4169, 0.3196,
0.0848

 105.4480, 0.3257,
0.2322

 0.2291, 0.3115,
0.0287

 134.5744, 0.3251,
0.2385

 0.0000, 0.2749,
0.0000

168.6237, 0.3246,

 0.0000, 0.0000,

0.2441

0.0000

207.9803, 0.3241,
0.2490

■ 20.2061, 0.3283,
0.1810

■ 20.2061, 0.3283,
0.1810

■ 18.3821, 0.3303,
0.1703

■ 22.8602, 0.3261,
0.1958

■ 17.2858, 0.3321,
0.1640

■ 26.4259, 0.3237,
0.2142

■ 16.7339, 0.3337,
0.1612

■ 30.9777, 0.3213,
0.2352

■ 36.5821, 0.3190,
0.2581

■ 43.2996, 0.3168,
0.2818

■ 51.1861, 0.3147,
0.3056

■ 60.2937, 0.3127,
0.3288

■ 70.6715, 0.3110,
0.3509

■ 82.3659, 0.3094,
0.3716

Harmonies

Analogous

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



20.2061, 0.2018, 0.1444



20.2061, 0.3283, 0.1810



20.2061, 0.4850, 0.2437

Triad

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



20.2061, 0.3283, 0.1810



20.2061, 0.4828, 0.5035



20.2061, 0.1017, 0.2471

Complementary

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



20.2061, 0.3283, 0.1810



44.6036, 0.2997, 0.5442

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.



20.2061, 0.1470, 0.4130



20.2061, 0.3283, 0.1810



20.2061, 0.3643, 0.5966

Square

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



20.2061, 0.3283, 0.1810



20.2061, 0.5698, 0.4024



20.2061, 0.2439, 0.5854



20.2061, 0.0989, 0.1648

Rectangle

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



20.2061, 0.3283, 0.1810



20.2061, 0.5621, 0.2932



20.2061, 0.2439, 0.5854



20.2061, 0.1112, 0.2928

Sweetspot

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



20.2070, 0.3283, 0.1810



70.2949, 0.3170, 0.2790



8.8474, 0.1811, 0.1083



14.3526, 0.3176, 0.2724



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.



20.2070, 0.3283, 0.1810



29.3918, 0.3313, 0.1667



17.7284, 0.4330, 0.2521



11.3938, 0.3145, 0.3073



10.5347, 0.3335, 0.1611



0.5465, 0.3308, 0.1596

Inverse Universe

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



20.2070, 0.3283, 0.1810



29.3918, 0.3313, 0.1667



45.9999, 0.2666, 0.4372



11.3938, 0.3145, 0.3073



10.5347, 0.3335, 0.1611



0.5465, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 20.2061, 0.3283, 0.1810 looks on a white background.

Color Contrast Check

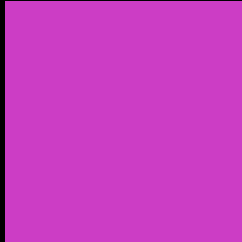
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2061, 0.3283, 0.1810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

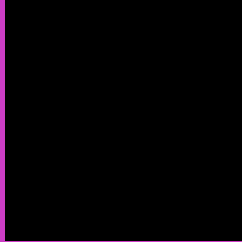
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2061, 0.3283, 0.1810

Background



This preview shows how black text looks on a background with the Yxy color 20.2061, 0.3283, 0.1810.



This preview shows how white text looks on a background with the Yxy color 20.2061, 0.3283, 0.1810.

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

20.2061, 0.3283, 0.1810

Protanopia

20.7525, 0.1770, 0.1478

Deuteranopia

20.4900, 0.2299, 0.2243



Tritanopia

20.0863, 0.4496, 0.3202

Trichromacy



Original Color

20.2061, 0.3283, 0.1810



Protanomaly

17.1296, 0.1984, 0.1437



Deuteranomaly

18.2198, 0.2564, 0.1942



Tritanomaly

19.5044, 0.4049, 0.2603

Monochromacy



Original Color

20.2061, 0.3283, 0.1810



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.3260, 0.3204, 0.2500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2061, 0.3283, 0.1810 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(204, 61, 197)` looks like.

```
.text, #text, p{  
    color:rgb(204, 61, 197)  
}
```

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(204, 61, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 61, 197) }
```

Border

The CSS property to change the border of an element to Yxy 20.2061, 0.3283, 0.1810 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(204, 61, 197) }
```

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

```
.border{ border-color:rgb(204, 61, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 61, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 61, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 61, 197);  
box-shadow:4px 4px 4px 4px rgb(204, 61,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2061, 0.3283, 0.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 61, 197) }
```

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

```
.background{ background-color: rgb(204, 61,  
197) }
```

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