

Converting Colors

$Y_{xy}(20.1861, 0.3304, 0.1700)$

Have a look what the booklet for
Yxy(20.1861, 0.3304, 0.1700)
contains.

Yxy(20.2098, 0.3299, 0.1697)	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(20.2098, 0.3299, 0.1697)

Conversions

Conversions Part 1

Format	Color
Hex	D52ACD
RGB	213, 42, 205
RGB Percent	84%, 16%, 80%
CMY	0.1647, 0.8353, 0.1960
CMYK	0.00, 0.80, 0.04, 0.16
HSL	303°, 67%, 50%
HSV	303°, 80%, 84%
XYZ	39.2882, 20.2098, 59.5933
YIQ	111.7110, 49.5930, 86.9450

Conversions

Conversions Part 2

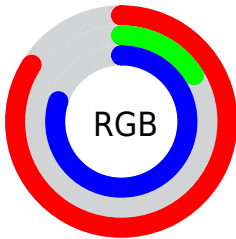
Format	Color
R _{YB}	213, 42, 205
Decimal	13970125
CIE Lab	52.07, 79.04, -46.23
CIE LCh	52, 91.565, 329.677
Yxy	20.2098, 0.3299, 0.1697
Android (android.graphics.Color)	4292160205 (0xFFD52ACD)
YUV	111.7110, 45.9915, 88.8305
Hunter-Lab	44.9553, 77.3264, -47.1268

Details

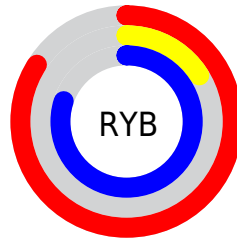
The Yxy color **20.2098, 0.3299, 0.1697** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **48.3105, 0.2992, 0.5708**, and the grayscale version is **15.9683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **9.0720, 0.3274, 0.1577** is the 20% darker color. If you saturate the color by 10%, you get **19.0319, 0.3316, 0.1635**, and if you desaturate by 10%, it is **22.1918, 0.3279, 0.1802**.

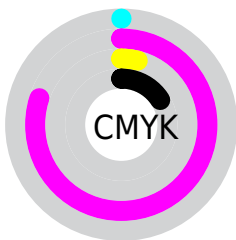
Distribution



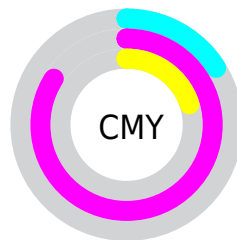
- Red (84%)
- Green (16%)
- Blue (80%)



- Red (84%)
- Yellow (16%)
- Blue (80%)



- Cyan (0%)
- Magenta (80%)
- Yellow (4%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2098, 0.3299, 0.1697 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 20.2098, 0.3299, 0.1697 by changing the saturation by 10% instead.


 20.2098, 0.3299,
0.1697


 20.2098, 0.3299,
0.1697


253.0486, 0.3251,
0.2461


 12.5476, 0.3298,
0.1523


 43.7686, 0.3291,
0.1963

 7.1178, 0.3288,
0.1312


 60.4341, 0.3286,
0.2067


 3.5359, 0.3261,
0.1055


 80.8695, 0.3279,
0.2156

 1.4175, 0.3197,
0.0745

 105.4592, 0.3273,
0.2233

 0.2296, 0.3101,
0.0242

 134.5875, 0.3267,
0.2301

 0.0000, 0.2747,
0.0000

168.6390, 0.3262,

 0.0000, 0.0386,

0.2361

0.0000

207.9979, 0.3256,
0.2414

■ 0.0000, 0.0000,
0.0000

■ 20.2098, 0.3299,
0.1697

■ 20.2098, 0.3299,
0.1697

■ 19.0319, 0.3316,
0.1635

■ 22.1918, 0.3279,
0.1802

■ 18.4599, 0.3331,
0.1609

■ 25.0866, 0.3258,
0.1950

■ 28.9891, 0.3235,
0.2133

■ 33.9817, 0.3212,
0.2344

■ 40.1382, 0.3189,
0.2573

■ 47.5259, 0.3167,
0.2812

■ 56.2072, 0.3147,
0.3051

■ 66.2400, 0.3128,
0.3284

■ 77.6790, 0.3111,
0.3506

Harmonies

Analogous

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



20.2098, 0.1923, 0.1315



20.2098, 0.3299, 0.1697



20.2098, 0.5051, 0.2353

Triad

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



20.2098, 0.3299, 0.1697



20.2098, 0.4886, 0.5114



20.2098, 0.0862, 0.2343

Complementary

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



20.2098, 0.3299, 0.1697



48.3105, 0.2992, 0.5708

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.



20.2098, 0.1298, 0.4195



20.2098, 0.3299, 0.1697



20.2098, 0.3569, 0.6212

Square

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



20.2098, 0.3299, 0.1697



20.2098, 0.5870, 0.3982



20.2098, 0.2298, 0.6199



20.2098, 0.0852, 0.1499

Rectangle

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



20.2098, 0.3299, 0.1697



20.2098, 0.5890, 0.2861



20.2098, 0.2298, 0.6199



20.2098, 0.0949, 0.2835

Sweetspot

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



20.2108, 0.3299, 0.1697



66.7918, 0.3176, 0.2717



7.0820, 0.1658, 0.0836



13.4522, 0.3184, 0.2631



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.



20.2108, 0.3299, 0.1697



27.9865, 0.3326, 0.1616



17.2028, 0.4606, 0.2494



12.6222, 0.3145, 0.3071



11.2807, 0.3329, 0.1607



0.6836, 0.3306, 0.1595

Inverse Universe

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



20.2108, 0.3299, 0.1697



27.9865, 0.3326, 0.1616



49.7793, 0.2657, 0.4562



12.6222, 0.3145, 0.3071



11.2807, 0.3329, 0.1607



0.6836, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 20.2098, 0.3299, 0.1697 looks on a white background.

Color Contrast Check

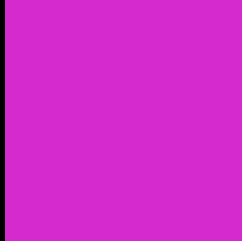
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2098, 0.3299, 0.1697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

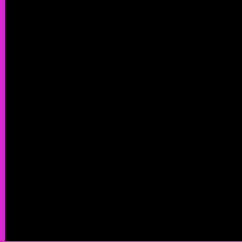
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2098, 0.3299, 0.1697

Background



This preview shows how black text looks on a background with the Yxy color 20.2098, 0.3299, 0.1697.



This preview shows how white text looks on a background with the Yxy color 20.2098, 0.3299, 0.1697.

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

20.2098, 0.3299, 0.1697

Protanopia

20.7241, 0.1743, 0.1450

Deuteranopia

20.6861, 0.2212, 0.2159



Tritanopia

20.1873, 0.4733, 0.3233

Trichromacy



Original Color

20.2098, 0.3299, 0.1697



Protanomaly

15.6535, 0.1892, 0.1301



Deuteranomaly

17.3300, 0.2488, 0.1788



Tritanomaly

19.2068, 0.4201, 0.2543

Monochromacy



Original Color

20.2098, 0.3299, 0.1697



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.2813, 0.3214, 0.2340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2098, 0.3299, 0.1697 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(213, 42, 205)` looks like.

```
.text, #text, p{  
    color:rgb(213, 42, 205)  
}
```

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(213, 42, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 42, 205) }
```

Border

The CSS property to change the border of an element to Yxy 20.2098, 0.3299, 0.1697 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(213, 42, 205) }
```

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

```
.border{ border-color:rgb(213, 42, 205) }
```

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

Here you see how a box with a 4 pixel rgb(213, 42, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 42, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 42, 205);  
box-shadow:4px 4px 4px 4px rgb(213, 42,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2098, 0.3299, 0.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 42, 205) }
```

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

```
.background{ background-color: rgb(213, 42,  
205) }
```

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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