

Converting Colors

$Y_{xy}(21.0117, 0.3292, 0.1696)$

Have a look what the booklet for
Yxy(21.0117, 0.3292, 0.1696)
contains.

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Color

Yxy(21.0037, 0.3286, 0.1694)

Conversions

Conversions Part 1

Format	Color
Hex	D82CD1
RGB	216, 44, 209
RGB Percent	85%, 17%, 82%
CMY	0.1527, 0.8279, 0.1803
CMYK	0.00, 0.80, 0.03, 0.15
HSL	302°, 69%, 51%
HSV	302°, 80%, 85%
XYZ	40.7427, 21.0037, 62.2424
YIQ	114.2380, 49.5470, 87.7790

Conversions

Conversions Part 2

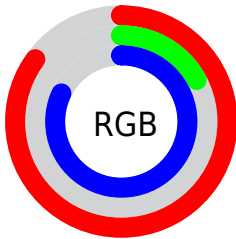
Format	Color
R _Y B	216, 44, 209
Decimal	14167249
CIE Lab	52.95, 79.79, -47.10
CIE LCh	53, 92.651, 329.445
Yxy	21.0037, 0.3286, 0.1694
Android (android.graphics.Color)	4292357329 (0xFFD82CD1)
YUV	114.2380, 46.7177, 89.2453
Hunter-Lab	45.8298, 78.4845, -48.4421

Details

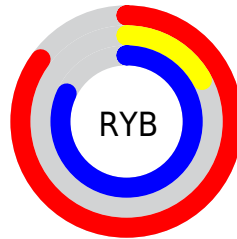
The Yxy color **21.0037, 0.3286, 0.1694** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **49.9124, 0.2995, 0.5705**, and the grayscale version is **16.7321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8489, 0.3190, 0.1956**, and **9.5012, 0.3257, 0.1568** is the 20% darker color. If you saturate the color by 10%, you get **19.7530, 0.3301, 0.1629**, and if you desaturate by 10%, it is **23.0927, 0.3268, 0.1802**.

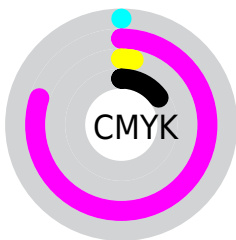
Distribution



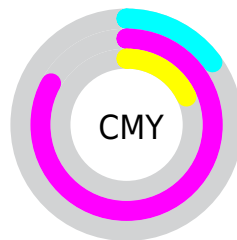
- Red (85%)
- Green (17%)
- Blue (82%)



- Red (85%)
- Yellow (17%)
- Blue (82%)



- Cyan (0%)
- Magenta (80%)
- Yellow (3%)
- Black (15%)



- Cyan (15%)
- Magenta (83%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0037, 0.3286, 0.1694 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 21.0037, 0.3286, 0.1694 by changing the saturation by 10% instead.


 21.0037, 0.3286,
0.1694


 21.0037, 0.3286,
0.1694


257.2982, 0.3246,
0.2454


 13.1267, 0.3283,
0.1522


 45.0937, 0.3281,
0.1958

 7.5159, 0.3271,
0.1315


 62.0755, 0.3276,
0.2061

 3.7868, 0.3242,
0.1062


 82.8610, 0.3271,
0.2150

 1.5550, 0.3177,
0.0759

 107.8346, 0.3266,
0.2227

 0.3270, 0.3067,
0.0313

 137.3807, 0.3261,
0.2294

 0.0000, 0.2748,
0.0000

171.8838, 0.3255,


 0.0000, 0.1086,


0.2354


0.0000

211.7281, 0.3251,
0.2407


 0.0000, 0.0000,
0.0000


 21.0037, 0.3286,
0.1694


 21.0037, 0.3286,
0.1694


 19.7530, 0.3301,
0.1629


 23.0927, 0.3268,
0.1802


 19.1398, 0.3315,
0.1601

 26.1314, 0.3249,
0.1952

 19.1239, 0.3315,
0.1600

 30.2174, 0.3228,
0.2138

 35.4351, 0.3206,
0.2351

 41.8609, 0.3185,
0.2583

■ 49.5639, 0.3164,
0.2823

■ 58.6085, 0.3145,
0.3063

■ 69.0546, 0.3127,
0.3297

■ 80.9583, 0.3110,
0.3520

Harmonies

Analogous

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



21.0037, 0.1916, 0.1314



21.0037, 0.3286, 0.1694



21.0037, 0.5037, 0.2348

Triad

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



21.0037, 0.3286, 0.1694



21.0037, 0.4896, 0.5104



21.0037, 0.0865, 0.2354

Complementary

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



21.0037, 0.3286, 0.1694



49.9124, 0.2995, 0.5705

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.



21.0037, 0.1305, 0.4212



21.0037, 0.3286, 0.1694



21.0037, 0.3579, 0.6202

Square

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



21.0037, 0.3286, 0.1694



21.0037, 0.5873, 0.3974



21.0037, 0.2309, 0.6204



21.0037, 0.0852, 0.1504

Rectangle

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



21.0037, 0.3286, 0.1694



21.0037, 0.5881, 0.2856



21.0037, 0.2309, 0.6204



21.0037, 0.0953, 0.2849

Sweetspot

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



21.0047, 0.3286, 0.1694



66.8146, 0.3173, 0.2713



7.4217, 0.1664, 0.0846



13.4578, 0.3181, 0.2627



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.



21.0047, 0.3286, 0.1694



28.0738, 0.3311, 0.1607



17.8612, 0.4593, 0.2494



12.6235, 0.3144, 0.3070



11.3167, 0.3313, 0.1599



0.6854, 0.3294, 0.1588

Inverse Universe

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



21.0047, 0.3286, 0.1694



28.0738, 0.3311, 0.1607



51.4434, 0.2657, 0.4552



12.6235, 0.3144, 0.3070



11.3167, 0.3313, 0.1599



0.6854, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 21.0037, 0.3286, 0.1694 looks on a white background.

Color Contrast Check

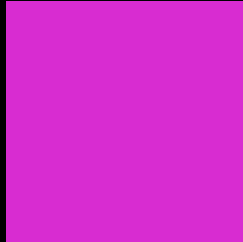
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0037, 0.3286, 0.1694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

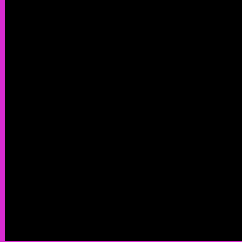
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0037, 0.3286, 0.1694

Background



This preview shows how black text looks on a background with the Yxy color 21.0037, 0.3286, 0.1694.

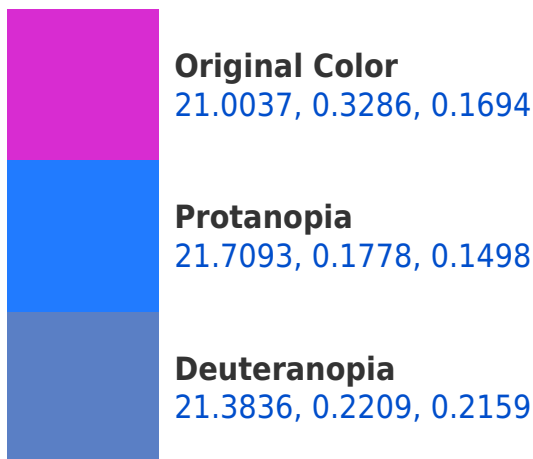


This preview shows how white text looks on a background with the Yxy color 21.0037, 0.3286, 0.1694.

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





Tritanopia

20.9942, 0.4706, 0.3222

Trichromacy



Original Color

21.0037, 0.3286, 0.1694



Protanomaly

16.8878, 0.1984, 0.1357



Deuteranomaly

18.0007, 0.2487, 0.1793



Tritanomaly

19.9811, 0.4183, 0.2540

Monochromacy



Original Color

21.0037, 0.3286, 0.1694



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.8940, 0.3200, 0.2337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0037, 0.3286, 0.1694 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(216, 44, 209)` looks like.

```
.text, #text, p{  
    color:rgb(216, 44, 209)  
}
```

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(216, 44, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 44, 209) }
```

Border

The CSS property to change the border of an element to Yxy 21.0037, 0.3286, 0.1694 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(216, 44, 209) }
```

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

```
.border{ border-color:rgb(216, 44, 209) }
```

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

Here you see how a box with a 4 pixel rgb(216, 44, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 44, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 44, 209);  
box-shadow:4px 4px 4px 4px rgb(216, 44,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0037, 0.3286, 0.1694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 44, 209) }
```

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

```
.background{ background-color: rgb(216, 44,  
209) }
```

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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