

Converting Colors

$Y_{xy}(33.6603, 0.3169, 0.2184)$

Have a look what the booklet for
Yxy(33.6603, 0.3169, 0.2184)
contains.

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Color

Yxy(33.6603, 0.3169, 0.2184)

Conversions

Conversions Part 1

Format	Color
Hex	DB78DC
RGB	219, 120, 220
RGB Percent	86%, 47%, 86%
CMY	0.1413, 0.5293, 0.1373
CMYK	0.00, 0.45, 0.00, 0.14
HSL	299°, 59%, 67%
HSV	299°, 45%, 86%
XYZ	48.8413, 33.6603, 71.6206
YIQ	161.0010, 26.9040, 52.0880

Conversions

Conversions Part 2

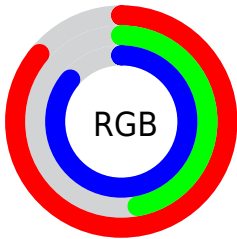
Format	Color
R_{YB}	219, 120, 220
Decimal	14383324
CIE _{Lab}	64.69, 52.67, -34.81
CIE _{LCh}	65, 63.139, 326.540
Yxy	33.6603, 0.3169, 0.2184
Android (android.graphics.Color)	4292573404 (0xFFDB78DC)
YUV	161.0010, 29.0865, 50.8651
Hunter-Lab	58.0175, 48.7375, -32.5792

Details

The Yxy color **33.6603, 0.3169, 0.2184** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.6009, 0.3067, 0.4708**, and the grayscale version is **35.4963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **14.2944, 0.3150, 0.1905** is the 20% darker color. If you saturate the color by 10%, you get **28.9291, 0.3176, 0.1979**, and if you desaturate by 10%, it is **39.6099, 0.3161, 0.2414**.

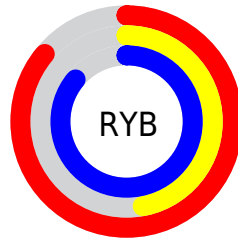
Distribution



Red (86%)

Green (47%)

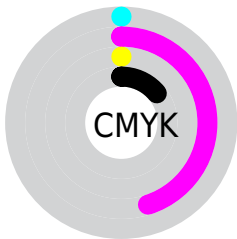
Blue (86%)



Red (86%)

Yellow (47%)

Blue (86%)

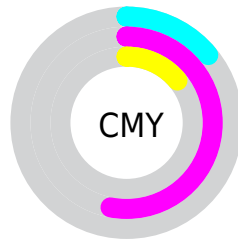


Cyan (0%)

Magenta (45%)

Yellow (0%)

Black (14%)



Cyan (14%)


Magenta (53%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6603, 0.3169, 0.2184 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 33.6603, 0.3169, 0.2184 by changing the saturation by 10% instead.

 33.6603, 0.3169,
0.2184


 33.6603, 0.3169,
0.2184


318.6147, 0.3168,
0.2708


 22.6328, 0.3164,
0.2063


 65.4051, 0.3173,
0.2367

 14.3226, 0.3154,
0.1914


 86.8911, 0.3173,
0.2438

 8.3454, 0.3136,
0.1726


 112.6320, 0.3173,
0.2499

 4.3167, 0.3102,
0.1484

143.0123, 0.3172,
0.2552

 1.8523, 0.3035,
0.1168

178.4163, 0.3171,
0.2598

 0.5194, 0.2911,
0.0697

219.2284, 0.3170,

 0.0000, 0.2615,

0.2639

0.0000

265.8331, 0.3169,
0.2676

0.0000, 0.0000,
0.0000

33.6603, 0.3169,
0.2184

33.6603, 0.3169,
0.2184

28.9291, 0.3176,
0.1979

39.6099, 0.3161,
0.2414

25.3274, 0.3181,
0.1807

46.8498, 0.3152,
0.2659

22.7617, 0.3184,
0.1676


55.4516, 0.3142,
0.2910

21.1213, 0.3185,
0.1588

65.4803, 0.3132,
0.3158


20.2704, 0.3185,
0.1541


76.9968, 0.3123,
0.3398

 20.0371, 0.3184,
0.1528

 90.0585, 0.3113,
0.3626

 91.9841, 0.3113,
0.3655

 92.0187, 0.3115,
0.3655

 92.0533, 0.3116,
0.3655

Harmonies

Analogous

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



33.6603, 0.2298, 0.1913



33.6603, 0.3169, 0.2184



33.6603, 0.4180, 0.2669

Triad

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



33.6603, 0.3169, 0.2184



33.6603, 0.4546, 0.4629



33.6603, 0.1617, 0.2896

Complementary

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



33.6603, 0.3169, 0.2184



56.6009, 0.3067, 0.4708

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.



33.6603, 0.2068, 0.3963



33.6603, 0.3169, 0.2184



33.6603, 0.3752, 0.5087

Square

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



33.6603, 0.3169, 0.2184



33.6603, 0.5008, 0.3958



33.6603, 0.2847, 0.4903



33.6603, 0.1524, 0.2200

Rectangle

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



33.6603, 0.3169, 0.2184



33.6603, 0.4722, 0.3070



33.6603, 0.2847, 0.4903



33.6603, 0.1726, 0.3222

Sweetspot

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



33.6618, 0.3169, 0.2184



79.2318, 0.3141, 0.2943



23.0040, 0.2275, 0.1897



16.3512, 0.3143, 0.2888



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.



33.6618, 0.3169, 0.2184



40.4185, 0.3176, 0.1979



31.6173, 0.3701, 0.2681



13.2678, 0.3136, 0.3060



11.7648, 0.3184, 0.1528



0.7644, 0.3189, 0.1530

Inverse Universe

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



30.0326, 0.4336, 0.3282



34.7292, 0.4771, 0.3281



58.0118, 0.2794, 0.4008



13.0536, 0.3290, 0.3288



8.9337, 0.6389, 0.3293



0.5795, 0.6354, 0.3274

Previews

White Background



This preview shows how the Yxy color 33.6603, 0.3169, 0.2184 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.6603, 0.3169, 0.2184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

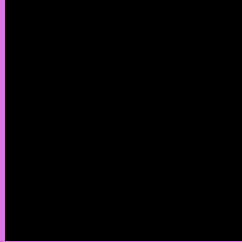
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6603, 0.3169, 0.2184

Background



This preview shows how black text looks on a background with the Yxy color 33.6603, 0.3169, 0.2184.

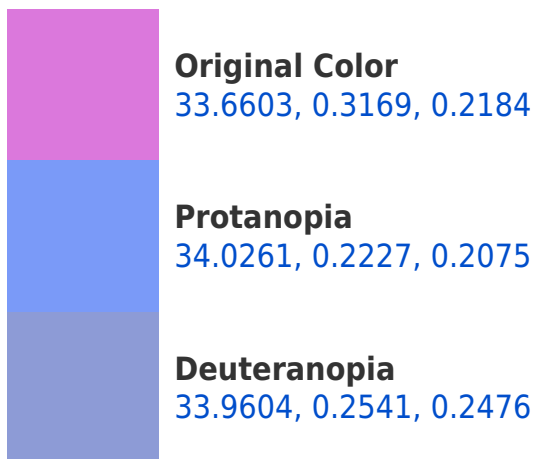


This preview shows how white text looks on a background with the Yxy color 33.6603, 0.3169, 0.2184.

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

33.6995, 0.3832, 0.3166

Trichromacy



Original Color

33.6603, 0.3169, 0.2184



Protanomaly

32.6871, 0.2487, 0.2084



Deuteranomaly

32.7389, 0.2737, 0.2331



Tritanomaly

33.4347, 0.3574, 0.2767

Monochromacy



Original Color

33.6603, 0.3169, 0.2184



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.8803, 0.3150, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6603, 0.3169, 0.2184 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(219, 120, 220)` looks like.

```
.text, #text, p{  
    color:rgb(219, 120, 220)  
}
```

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(219, 120, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 120, 220) }
```

Border

The CSS property to change the border of an element to Yxy 33.6603, 0.3169, 0.2184 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(219, 120, 220) }
```

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

```
.border{ border-color:rgb(219, 120, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 120, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 120, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 120, 220); box-shadow:4px 4px 4px 4px rgb(219, 120, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6603, 0.3169, 0.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 120, 220) }
```

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

```
.background{ background-color: rgb(219,  
120, 220) }
```

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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