

Converting Colors

$Y_{xy}(33.5346, 0.3113, 0.2154)$

Have a look what the booklet for
Yxy(33.5346, 0.3113, 0.2154)
contains.

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Color

Yxy(33.6014, 0.3111, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	D879DF
RGB	216, 121, 223
RGB Percent	85%, 47%, 87%
CMY	0.1528, 0.5256, 0.1254
CMYK	0.03, 0.46, 0.00, 0.13
HSL	296°, 61%, 67%
HSV	296°, 46%, 87%
XYZ	48.4851, 33.6014, 73.7641
YIQ	161.0330, 23.8780, 51.8620

Conversions

Conversions Part 2

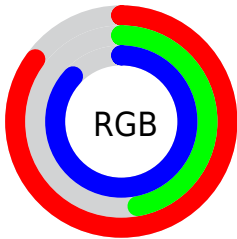
Format	Color
R _Y B	216, 121, 223
Decimal	14186975
CIE Lab	64.64, 51.90, -36.61
CIE LCh	65, 63.515, 324.801
Yxy	33.6014, 0.3111, 0.2156
Android (android.graphics.Color)	4292377055 (0xFFD879DF)
YUV	161.0330, 30.5497, 48.2061
Hunter-Lab	57.9667, 47.8611, -34.8713

Details

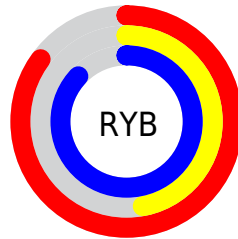
The Yxy color **33.6014, 0.3111, 0.2156** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.7600, 0.3102, 0.4705**, and the grayscale version is **35.5037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **14.2952, 0.3082, 0.1888** is the 20% darker color. If you saturate the color by 10%, you get **28.5635, 0.3101, 0.1941**, and if you desaturate by 10%, it is **39.8973, 0.3118, 0.2394**.

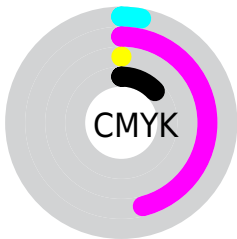
Distribution



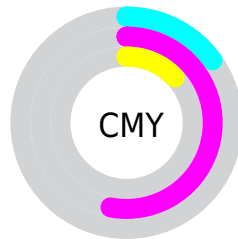
- Red (85%)
- Green (47%)
- Blue (87%)



- Red (85%)
- Yellow (47%)
- Blue (87%)



- Cyan (3%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)





- Cyan (15%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6014, 0.3111, 0.2156 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 33.6014, 0.3111, 0.2156 by changing the saturation by 10% instead.


 33.6014, 0.3111,
0.2156


 33.6014, 0.3111,
0.2156


318.3510, 0.3140,
0.2692

 22.5876, 0.3098,
0.2033


 65.3133, 0.3126,
0.2343

 14.2893, 0.3078,
0.1881


 86.7802, 0.3130,
0.2416

 8.3221, 0.3047,
0.1691


 112.5002, 0.3133,
0.2478

 4.3018, 0.2995,
0.1447

142.8577, 0.3136,
0.2532

 1.8438, 0.2902,
0.1130

178.2372, 0.3137,
0.2580

 0.5142, 0.2739,
0.0662

219.0230, 0.3138,


 0.0000, 0.2374,

0.2622


0.0000

265.5994, 0.3139,
0.2659


 0.0000, 0.0000,
0.0000


 33.6014, 0.3111,
0.2156


 33.6014, 0.3111,
0.2156


 28.5635, 0.3101,
0.1941


 39.8973, 0.3118,
0.2394


 24.6916, 0.3089,
0.1759


 47.5259, 0.3123,
0.2645


 21.8882, 0.3075,
0.1617

 56.5614, 0.3126,
0.2899


 20.0383, 0.3060,
0.1518


 67.0713, 0.3127,
0.3150

 18.9998, 0.3043,
0.1462

 79.1187, 0.3127,
0.3391

 18.7002, 0.3036,
0.1446

 92.7629, 0.3125,
0.3618

 93.1383, 0.3135,
0.3619

 93.3878, 0.3144,
0.3618

 93.6396, 0.3154,
0.3617

Harmonies

Analogous

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



33.6014, 0.2251, 0.1898



33.6014, 0.3111, 0.2156



33.6014, 0.4131, 0.2632

Triad

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



33.6014, 0.3111, 0.2156



33.6014, 0.4591, 0.4598



33.6014, 0.1625, 0.2946

Complementary

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



33.6014, 0.3111, 0.2156



58.7600, 0.3102, 0.4705

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.



33.6014, 0.2098, 0.4033



33.6014, 0.3111, 0.2156



33.6014, 0.3805, 0.5085

Square

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



33.6014, 0.3111, 0.2156



33.6014, 0.5030, 0.3919



33.6014, 0.2896, 0.4949



33.6014, 0.1512, 0.2222

Rectangle

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



33.6014, 0.3111, 0.2156



33.6014, 0.4694, 0.3031



33.6014, 0.2896, 0.4949



33.6014, 0.1741, 0.3282

Sweetspot

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



33.6029, 0.3111, 0.2156



78.8381, 0.3126, 0.2941



25.2214, 0.2284, 0.1978



16.2540, 0.3126, 0.2886



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.



33.6029, 0.3111, 0.2156



38.9050, 0.3102, 0.1948



32.6791, 0.3628, 0.2602



13.8853, 0.3127, 0.3058



11.0122, 0.3038, 0.1447



0.7779, 0.3066, 0.1463

Inverse Universe

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



30.9210, 0.4275, 0.3211



34.9292, 0.4672, 0.3199



59.5181, 0.2830, 0.4114



13.7157, 0.3281, 0.3274



9.2510, 0.6324, 0.3257



0.6467, 0.6112, 0.3141

Previews

White Background



This preview shows how the Yxy color 33.6014, 0.3111, 0.2156 looks on a white background.

Color Contrast Check

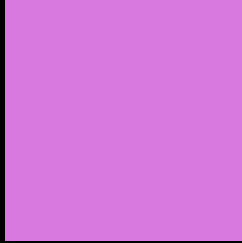
Large Text (above 18pt) WCAG AA × Fail

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 33.6014, 0.3111, 0.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

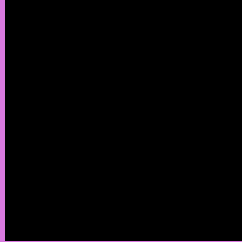
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6014, 0.3111, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 33.6014, 0.3111, 0.2156.



This preview shows how white text looks on a background with the Yxy color 33.6014, 0.3111, 0.2156.

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

33.6014, 0.3111, 0.2156

Protanopia

34.0693, 0.2203, 0.2044

Deuteranopia

33.8557, 0.2500, 0.2437



Tritanopia

33.4687, 0.3763, 0.3151

Trichromacy



Original Color

33.6014, 0.3111, 0.2156



Protanomaly

32.6654, 0.2454, 0.2052



Deuteranomaly

32.8664, 0.2689, 0.2306



Tritanomaly

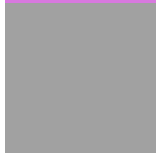
33.3388, 0.3518, 0.2749

Monochromacy



Original Color

33.6014, 0.3111, 0.2156



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.8422, 0.3121, 0.2781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6014, 0.3111, 0.2156 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, 121, 223)` looks like.

```
.text, #text, p{  
    color:rgb(216, 121, 223)  
}
```

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, 121, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 121, 223) }
```

Border

The CSS property to change the border of an element to Yxy 33.6014, 0.3111, 0.2156 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, 121, 223) }
```

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

```
.border{ border-color:rgb(216, 121, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 121, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 121, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 121, 223);  
box-shadow:4px 4px 4px 4px rgb(216, 121,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6014, 0.3111, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 121, 223) }
```

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

```
.background{ background-color: rgb(216,  
121, 223) }
```

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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