

Converting Colors

$Y_{xy}(33.7899, 0.3165, 0.2556)$

Have a look what the booklet for
Yxy(33.7899, 0.3165, 0.2556)
contains.

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Color

Yxy(33.6126, 0.3162, 0.2550)

Conversions

Conversions Part 1

Format	Color
Hex	C489C4
RGB	196, 137, 196
RGB Percent	77%, 54%, 77%
CMY	0.2313, 0.4628, 0.2313
CMYK	0.00, 0.30, 0.00, 0.23
HSL	300°, 33%, 65%
HSV	300°, 30%, 77%
XYZ	41.6796, 33.6126, 56.5219
YIQ	161.3670, 16.2250, 30.8570

Conversions

Conversions Part 2

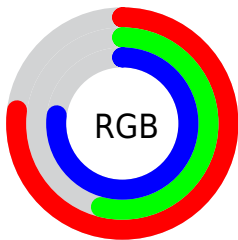
Format	Color
R_{YB}	196, 137, 196
Decimal	12880324
CIE _{Lab}	64.65, 32.22, -21.68
CIE _{LCh}	65, 38.835, 326.067
Yxy	33.6126, 0.3162, 0.2550
Android (android.graphics.Color)	4291070404 (0xFFC489C4)
YUV	161.3670, 17.0741, 30.3731
Hunter-Lab	57.9764, 26.8663, -17.2191

Details

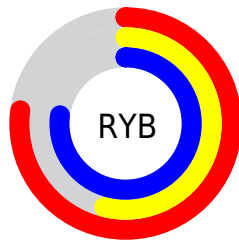
The Yxy color **33.6126, 0.3162, 0.2550** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.6144, 0.3086, 0.4161**, and the grayscale version is **35.7348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2361, 0.3156, 0.2678**, and **14.2713, 0.3157, 0.2347** is the 20% darker color. If you saturate the color by 10%, you get **28.5384, 0.3173, 0.2314**, and if you desaturate by 10%, it is **39.7021, 0.3150, 0.2797**.

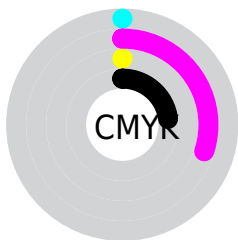
Distribution



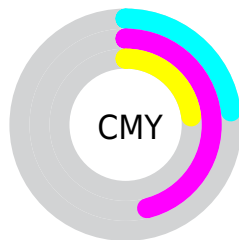
- Red (77%)
- Green (54%)
- Blue (77%)



- Red (77%)
- Yellow (54%)
- Blue (77%)



- Cyan (0%)
- Magenta (30%)
- Yellow (0%)
- Black (23%)





- Cyan (23%)
- Magenta (46%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6126, 0.3162, 0.2550 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 33.6126, 0.3162, 0.2550 by changing the saturation by 10% instead.


 33.6126, 0.3162,
0.2550


 33.6126, 0.3162,
0.2550


318.4012, 0.3153,
0.2917


 22.5961, 0.3162,
0.2460


 65.3308, 0.3161,
0.2682

 14.2956, 0.3160,
0.2346


 86.8013, 0.3159,
0.2732

 8.3265, 0.3154,
0.2196


 112.5253, 0.3158,
0.2775

 4.3046, 0.3141,
0.1992

142.8871, 0.3157,
0.2811

 1.8454, 0.3109,
0.1700

178.2713, 0.3156,
0.2843

 0.5152, 0.3060,
0.1163

219.0620, 0.3155,

 0.0000, 0.2046,

0.2870

0.0000


265.6439, 0.3154,
0.2895


 0.0000, 0.0000,
0.0000


 33.6126, 0.3162,
0.2550


 33.6126, 0.3162,
0.2550


 28.5384, 0.3173,
0.2314


 39.7021, 0.3150,
0.2797


 24.4202, 0.3183,
0.2096


 46.8533, 0.3139,
0.3045

 21.1995, 0.3192,
0.1908


 55.1149, 0.3127,
0.3287


 18.8094, 0.3200,
0.1756

 64.5314, 0.3116,
0.3519


 17.1738, 0.3205,
0.1645


 75.1448, 0.3106,
0.3738


 16.2025, 0.3208,
0.1576

 86.9951, 0.3097,
0.3940

 15.7236, 0.3210,
0.1542

 87.2462, 0.3096,
0.3944

 87.2464, 0.3096,
0.3944

 87.2466, 0.3096,
0.3944

Harmonies

Analogous

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



33.6126, 0.2595, 0.2365



33.6126, 0.3162, 0.2550



33.6126, 0.3774, 0.2892

Triad

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



33.6126, 0.3162, 0.2550



33.6126, 0.4084, 0.4199



33.6126, 0.2141, 0.3093

Complementary

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



33.6126, 0.3162, 0.2550



46.6144, 0.3086, 0.4161

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.



33.6126, 0.2475, 0.3712



33.6126, 0.3162, 0.2550



33.6126, 0.3592, 0.4396

Square

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



33.6126, 0.3162, 0.2550



33.6126, 0.4328, 0.3797



33.6126, 0.3002, 0.4229



33.6126, 0.2052, 0.2619

Rectangle

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



33.6126, 0.3162, 0.2550



33.6126, 0.4102, 0.3179



33.6126, 0.3002, 0.4229



33.6126, 0.2226, 0.3292

Sweetspot

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



33.6141, 0.3162, 0.2550



86.2211, 0.3138, 0.3069



27.1934, 0.2601, 0.2420



18.0123, 0.3139, 0.3032



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.



33.6141, 0.3162, 0.2550



54.7443, 0.3169, 0.2396



32.3999, 0.3463, 0.2904



10.2475, 0.3138, 0.3063



10.1005, 0.3210, 0.1542



0.4364, 0.3210, 0.1542

Inverse Universe

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



33.6141, 0.3162, 0.2550



54.7443, 0.3169, 0.2396



47.5800, 0.2887, 0.3714



10.2475, 0.3138, 0.3063



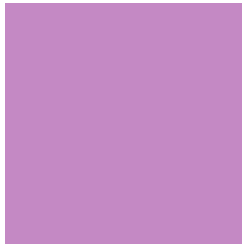
10.1005, 0.3210, 0.1542



0.4364, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.6126, 0.3162, 0.2550 looks on a white background.

Color Contrast Check

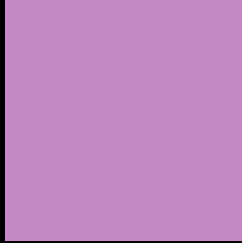
Large Text (above 18pt) WCAG AA × Fail

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 33.6126, 0.3162, 0.2550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

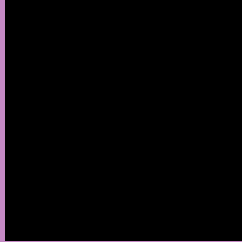
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6126, 0.3162, 0.2550

Background



This preview shows how black text looks on a background with the Yxy color 33.6126, 0.3162, 0.2550.



This preview shows how white text looks on a background with the Yxy color 33.6126, 0.3162, 0.2550.

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

33.6126, 0.3162, 0.2550

Protanopia

33.7969, 0.2581, 0.2537

Deuteranopia

33.8315, 0.2794, 0.2739



Tritanopia

33.7275, 0.3505, 0.3143

Trichromacy



Original Color

33.6126, 0.3162, 0.2550

Protanomaly

33.2208, 0.2773, 0.2531

Deuteranomaly

33.5099, 0.2917, 0.2664

Tritanomaly

33.6237, 0.3375, 0.2909

Monochromacy



Original Color

33.6126, 0.3162, 0.2550

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.5111, 0.3141, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6126, 0.3162, 0.2550 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(196, 137, 196)` looks like.

```
.text, #text, p{  
    color:rgb(196, 137, 196)  
}
```

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(196, 137, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 137, 196) }
```

Border

The CSS property to change the border of an element to Yxy 33.6126, 0.3162, 0.2550 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(196, 137, 196) }
```

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

```
.border{ border-color:rgb(196, 137, 196) }
```

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

Here you see how a box with a 4 pixel rgb(196, 137, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 137, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 137, 196);  
box-shadow:4px 4px 4px 4px rgb(196, 137,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6126, 0.3162, 0.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 137, 196) }
```

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

```
.background{ background-color: rgb(196,  
137, 196) }
```

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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