

Converting Colors

$Y_{xy}(33.5973, 0.3157, 0.2515)$

Have a look what the booklet for
Yxy(33.5973, 0.3157, 0.2515)
contains.

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Color

Yxy(33.6913, 0.3163, 0.2520)

Conversions

Conversions Part 1

Format	Color
Hex	C688C6
RGB	198, 136, 198
RGB Percent	78%, 53%, 78%
CMY	0.2235, 0.4667, 0.2234
CMYK	0.00, 0.31, 0.00, 0.22
HSL	300°, 35%, 65%
HSV	300°, 31%, 78%
XYZ	42.2879, 33.6913, 57.7164
YIQ	161.6060, 17.0500, 32.4260

Conversions

Conversions Part 2

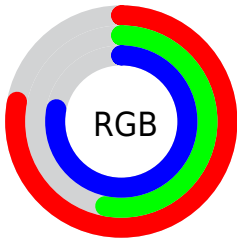
Format	Color
R _Y B	198, 136, 198
Decimal	13011142
CIE Lab	64.72, 33.79, -22.69
CIE LCh	65, 40.703, 326.113
Yxy	33.6913, 0.3163, 0.2520
Android (android.graphics.Color)	4291201222 (0xFFC688C6)
YUV	161.6060, 17.9422, 31.9175
Hunter-Lab	58.0442, 28.4683, -18.3242

Details

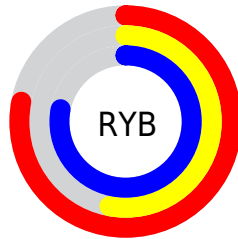
The Yxy color **33.6913, 0.3163, 0.2520** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.4150, 0.3085, 0.4202**, and the grayscale version is **35.8473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **14.3503, 0.3159, 0.2311** is the 20% darker color. If you saturate the color by 10%, you get **28.6195, 0.3174, 0.2285**, and if you desaturate by 10%, it is **39.7965, 0.3152, 0.2766**.

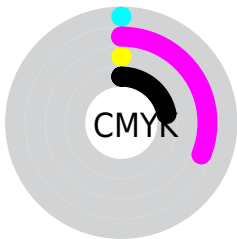
Distribution



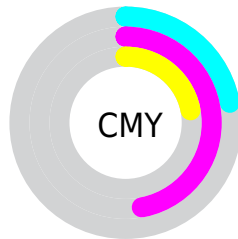
- Red (78%)
- Green (53%)
- Blue (78%)



- Red (78%)
- Yellow (53%)
- Blue (78%)



- Cyan (0%)
- Magenta (31%)
- Yellow (0%)
- Black (22%)




- Cyan (22%)
- Magenta (47%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6913, 0.3163, 0.2520 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 33.6913, 0.3163, 0.2520 by changing the saturation by 10% instead.


 33.6913, 0.3163,
0.2520


 33.6913, 0.3163,
0.2520

318.7534, 0.3154,
0.2900


 22.6565, 0.3162,
0.2427


 65.4533, 0.3162,
0.2657

 14.3401, 0.3160,
0.2310


 86.9494, 0.3161,
0.2708

 8.3576, 0.3154,
0.2156


 112.7014, 0.3160,
0.2752

 4.3246, 0.3139,
0.1947

143.0936, 0.3158,
0.2790

 1.8568, 0.3105,
0.1652

178.5105, 0.3157,
0.2823

 0.5222, 0.3047,
0.1122

219.3365, 0.3156,


 0.0000, 0.2207,

0.2852


0.0000


265.9560, 0.3155,
0.2877


 0.0000, 0.0000,
0.0000


 33.6913, 0.3163,
0.2520


 33.6913, 0.3163,
0.2520


 28.6195, 0.3174,
0.2285


 39.7965, 0.3152,
0.2766


 24.5198, 0.3184,
0.2071

 46.9832, 0.3140,
0.3015


 21.3314, 0.3192,
0.1886


 55.3017, 0.3129,
0.3258

 18.9848, 0.3199,
0.1739


 64.7980, 0.3118,
0.3492

 17.4004, 0.3204,
0.1633


 75.5154, 0.3107,
0.3712


 16.4834, 0.3207,
0.1570

 87.4952, 0.3098,
0.3917

 16.0757, 0.3208,
0.1541

 87.6127, 0.3098,
0.3919

 87.6139, 0.3098,
0.3919

 87.6152, 0.3098,
0.3919

Harmonies

Analogous

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



33.6913, 0.2572, 0.2327



33.6913, 0.3163, 0.2520



33.6913, 0.3805, 0.2875

Triad

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



33.6913, 0.3163, 0.2520



33.6913, 0.4124, 0.4237



33.6913, 0.2098, 0.3080

Complementary

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



33.6913, 0.3163, 0.2520



47.4150, 0.3085, 0.4202

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.



33.6913, 0.2444, 0.3731



33.6913, 0.3163, 0.2520



33.6913, 0.3609, 0.4449

Square

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



33.6913, 0.3163, 0.2520



33.6913, 0.4382, 0.3814



33.6913, 0.2992, 0.4277



33.6913, 0.2008, 0.2586

Rectangle

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



33.6913, 0.3163, 0.2520



33.6913, 0.4150, 0.3172



33.6913, 0.2992, 0.4277



33.6913, 0.2186, 0.3289

Sweetspot

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



33.6928, 0.3163, 0.2520



86.2194, 0.3137, 0.3069



27.2141, 0.2578, 0.2394



18.0119, 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.



33.6928, 0.3163, 0.2520



52.9595, 0.3171, 0.2348



32.4471, 0.3470, 0.2874



10.8164, 0.3138, 0.3062



10.4513, 0.3208, 0.1541



0.4950, 0.3208, 0.1541

Inverse Universe

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



31.3965, 0.3832, 0.3292



48.2214, 0.4074, 0.3292



48.3875, 0.2885, 0.3749



10.6370, 0.3289, 0.3290



7.8078, 0.6400, 0.3299



0.3697, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 33.6913, 0.3163, 0.2520 looks on a white background.

Color Contrast Check

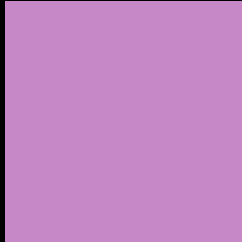
Large Text (above 18pt) WCAG AA × Fail

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 33.6913, 0.3163, 0.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

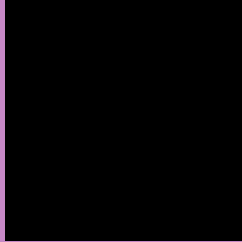
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6913, 0.3163, 0.2520

Background



This preview shows how black text looks on a background with the Yxy color 33.6913, 0.3163, 0.2520.



This preview shows how white text looks on a background with the Yxy color 33.6913, 0.3163, 0.2520.

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

33.6913, 0.3163, 0.2520

Protanopia

33.8589, 0.2554, 0.2500

Deuteranopia

33.9214, 0.2779, 0.2714



Tritanopia

33.5195, 0.3528, 0.3143

Trichromacy



Original Color

33.6913, 0.3163, 0.2520

Protanomaly

33.3662, 0.2750, 0.2496

Deuteranomaly

33.3990, 0.2909, 0.2628

Tritanomaly

33.4594, 0.3387, 0.2897

Monochromacy



Original Color

33.6913, 0.3163, 0.2520

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.9916, 0.3141, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6913, 0.3163, 0.2520 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(198, 136, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 136, 198)  
}
```

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(198, 136, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 136, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.6913, 0.3163, 0.2520 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(198, 136, 198) }
```

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

```
.border{ border-color:rgb(198, 136, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 136, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 136, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 136, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 136,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6913, 0.3163, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 136, 198) }
```

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

```
.background{ background-color: rgb(198,  
136, 198) }
```

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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