

Converting Colors

$Y_{xy}(33.5533, 0.3546, 0.2490)$

Have a look what the booklet for
Yxy(33.5533, 0.3546, 0.2490)
contains.

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Color

Yxy(33.5254, 0.3552, 0.2491)

Conversions

Conversions Part 1

Format	Color
Hex	E378BF
RGB	227, 120, 191
RGB Percent	89%, 47%, 75%
CMY	0.1097, 0.5294, 0.2509
CMYK	0.00, 0.47, 0.16, 0.11
HSL	320°, 66%, 68%
HSV	320°, 47%, 89%
XYZ	47.8050, 33.5254, 53.2557
YIQ	160.0870, 40.9810, 44.7650

Conversions

Conversions Part 2

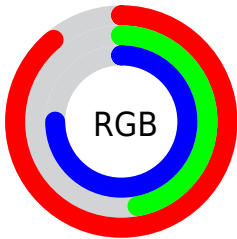
Format	Color
R_{YB}	227, 120, 191
Decimal	14907583
CIE _{Lab}	64.58, 50.29, -18.64
CIE _{LCh}	65, 53.631, 339.661
Yxy	33.5254, 0.3552, 0.2491
Android (android.graphics.Color)	4293097663 (0xFFE378BF)
YUV	160.0870, 15.2401, 58.6827
Hunter-Lab	57.9011, 46.0482, -14.0024

Details

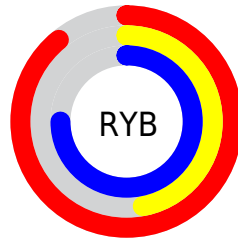
The Yxy color **33.5254, 0.3552, 0.2491** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **61.3397, 0.2869, 0.4270**, and the grayscale version is **35.1107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6353, 0.3225, 0.2578**, and **14.1376, 0.3672, 0.2275** is the 20% darker color. If you saturate the color by 10%, you get **28.3717, 0.3681, 0.2343**, and if you desaturate by 10%, it is **39.9940, 0.3436, 0.2657**.

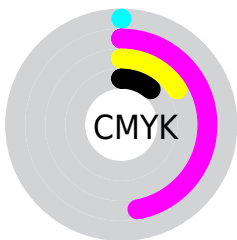
Distribution



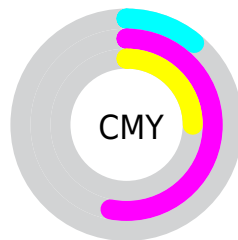
- Red (89%)
- Green (47%)
- Blue (75%)



- Red (89%)
- Yellow (47%)
- Blue (75%)



- Cyan (0%)
- Magenta (47%)
- Yellow (16%)
- Black (11%)




- Cyan (11%)
- Magenta (53%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5254, 0.3552, 0.2491 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 33.5254, 0.3552, 0.2491 by changing the saturation by 10% instead.


 33.5254, 0.3552,
0.2491


 33.5254, 0.3552,
0.2491


318.0106, 0.3342,
0.2883


 22.5292, 0.3603,
0.2396


 65.1949, 0.3476,
0.2632

 14.2463, 0.3669,
0.2276


 86.6371, 0.3448,
0.2685

 8.2922, 0.3754,
0.2119

 112.3301, 0.3423,
0.2730

 4.2825, 0.3871,
0.1908

142.6582, 0.3403,
0.2769

 1.8328, 0.4038,
0.1611

178.0060, 0.3384,
0.2803

 0.5075, 0.4338,
0.1078

218.7577, 0.3369,


 0.0000, 0.5028,


0.2833


0.0000


265.2978, 0.3354,
0.2860


 0.0000, 0.0000,
0.0000

 33.5254, 0.3552,
0.2491


 33.5254, 0.3552,
0.2491


 28.3717, 0.3681,
0.2343

 39.9940, 0.3436,
0.2657


 24.4349, 0.3821,
0.2224


 47.8567, 0.3335,
0.2830

 21.6111, 0.3968,
0.2145


 57.1923, 0.3247,
0.3004

 19.7766, 0.4117,
0.2114

 68.0720, 0.3173,
0.3174


 18.7695, 0.4261,
0.2133

 80.5625, 0.3110,
0.3335

 18.5575, 0.4303,
0.2144

 93.9583, 0.3058,
0.3474

 94.4137, 0.3016,
0.3396

 94.8883, 0.2974,
0.3319

 95.0737, 0.2958,
0.3290

Harmonies

Analogous

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



33.5254, 0.2718, 0.2157



33.5254, 0.3552, 0.2491



33.5254, 0.4347, 0.2990

Triad

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



33.5254, 0.3552, 0.2491



33.5254, 0.4110, 0.4679



33.5254, 0.1730, 0.2661

Complementary

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



33.5254, 0.3552, 0.2491



61.3397, 0.2869, 0.4270

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.



33.5254, 0.2002, 0.3456



33.5254, 0.3552, 0.2491



33.5254, 0.3357, 0.4821

Square

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



33.5254, 0.3552, 0.2491



33.5254, 0.4643, 0.4176



33.5254, 0.2584, 0.4345



33.5254, 0.1768, 0.2195

Rectangle

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



33.5254, 0.3552, 0.2491



33.5254, 0.4680, 0.3375



33.5254, 0.2584, 0.4345



33.5254, 0.1785, 0.2893

Sweetspot

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



33.5270, 0.3552, 0.2491



78.5504, 0.3223, 0.3057



26.0122, 0.2514, 0.1911



16.1837, 0.3240, 0.3020



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.



33.5270, 0.3552, 0.2491



36.7986, 0.3684, 0.2340



31.5943, 0.4197, 0.3086



14.5285, 0.3189, 0.3135



10.8435, 0.4282, 0.2132



0.8184, 0.4085, 0.2024

Inverse Universe

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



33.5270, 0.3552, 0.2491



36.7986, 0.3684, 0.2340



63.5523, 0.2589, 0.3520



14.5285, 0.3189, 0.3135



10.8435, 0.4282, 0.2132



0.8184, 0.4085, 0.2024

Previews

White Background



This preview shows how the Yxy color 33.5254, 0.3552, 0.2491 looks on a white background.

Color Contrast Check

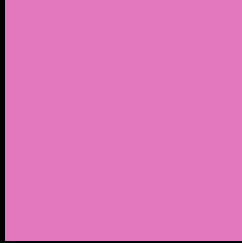
Large Text (above 18pt) WCAG AA × Fail

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 33.5254, 0.3552, 0.2491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

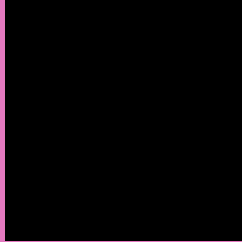
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5254, 0.3552, 0.2491

Background



This preview shows how black text looks on a background with the Yxy color 33.5254, 0.3552, 0.2491.



This preview shows how white text looks on a background with the Yxy color 33.5254, 0.3552, 0.2491.

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

33.5254, 0.3552, 0.2491

Protanopia

33.8895, 0.2513, 0.2450

Deuteranopia

33.6562, 0.2902, 0.2836



Tritanopia

33.6556, 0.4067, 0.3185

Trichromacy



Original Color

33.5254, 0.3552, 0.2491



Protanomaly

32.5089, 0.2825, 0.2434



Deuteranomaly

32.8280, 0.3125, 0.2682



Tritanomaly

33.5292, 0.3876, 0.2915

Monochromacy



Original Color

33.5254, 0.3552, 0.2491



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.3814, 0.3278, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5254, 0.3552, 0.2491 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(227, 120, 191)` looks like.

```
.text, #text, p{  
    color:rgb(227, 120, 191)  
}
```

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(227, 120, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 120, 191) }
```

Border

The CSS property to change the border of an element to Yxy 33.5254, 0.3552, 0.2491 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(227, 120, 191) }
```

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

```
.border{ border-color:rgb(227, 120, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 120, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 120, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 120, 191);  
box-shadow:4px 4px 4px 4px rgb(227, 120,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5254, 0.3552, 0.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 120, 191) }
```

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

```
.background{ background-color: rgb(227,  
120, 191) }
```

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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