

Converting Colors

$Y_{xy}(34.7454, 0.3108, 0.2237)$

Have a look what the booklet for
Yxy(34.7454, 0.3108, 0.2237)
contains.

Yxy(34.6953, 0.3108, 0.2229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.6953, 0.3108, 0.2229)

Conversions

Conversions Part 1

Format	Color
Hex	D67FDD
RGB	214, 127, 221
RGB Percent	84%, 50%, 87%
CMY	0.1608, 0.5020, 0.1332
CMYK	0.03, 0.43, 0.00, 0.13
HSL	296°, 58%, 68%
HSV	296°, 43%, 87%
XYZ	48.3773, 34.6953, 72.5815
YIQ	163.7290, 21.6780, 47.6780

Conversions

Conversions Part 2

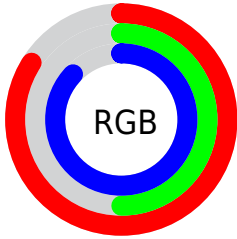
Format	Color
R_{YB}	214, 127, 221
Decimal	14057437
CIE _{Lab}	65.51, 47.87, -34.17
CIE _{LCh}	66, 58.820, 324.479
Yxy	34.6953, 0.3108, 0.2229
Android (android.graphics.Color)	4292247517 (0xFFD67FDD)
YUV	163.7290, 28.2346, 44.0877
Hunter-Lab	58.9027, 43.5238, -31.8268

Details

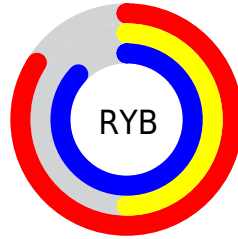
The Yxy color $34.6953, 0.3108, 0.2229$ is a light color, and the websafe version is hex $CC66CC$. A complement of this color would be $58.3371, 0.3110, 0.4589$, and the grayscale version is $36.8454, 0.3127, 0.3290$.

A 20% lighter version of the original color is $61.9359, 0.3161, 0.2575$, and $14.8188, 0.3067, 0.1956$ is the 20% darker color. If you saturate the color by 10%, you get $29.3529, 0.3097, 0.2005$, and if you desaturate by 10%, it is $41.2956, 0.3116, 0.2473$.

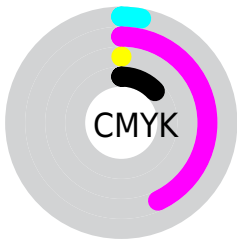
Distribution



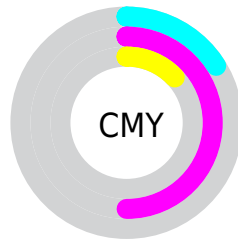
- Red (84%)
- Green (50%)
- Blue (87%)



- Red (84%)
- Yellow (50%)
- Blue (87%)



- Cyan (3%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)




- Cyan (16%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6953, 0.3108, 0.2229 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 34.6953, 0.3108, 0.2229 by changing the saturation by 10% instead.


 34.6953, 0.3108,
0.2229


 34.6953, 0.3108,
0.2229


323.2214, 0.3136,
0.2733


 23.4283, 0.3096,
0.2112


 67.0135, 0.3122,
0.2406

 14.9100, 0.3078,
0.1968


 88.8334, 0.3126,
0.2474

 8.7563, 0.3050,
0.1786


 114.9397, 0.3129,
0.2532

 4.5826, 0.3002,
0.1551

145.7168, 0.3131,
0.2583

 2.0045, 0.2918,
0.1241

181.5492, 0.3133,
0.2628

 0.6101, 0.2763,
0.0798

222.8211, 0.3134,


 0.0000, 0.2450,

0.2667


0.0000

269.9170, 0.3135,
0.2702


 0.0000, 0.0000,
0.0000


 34.6953, 0.3108,
0.2229


 34.6953, 0.3108,
0.2229


 29.3529, 0.3097,
0.2005


 41.2956, 0.3116,
0.2473


 25.1809, 0.3084,
0.1810


 49.2244, 0.3122,
0.2726


 22.0883, 0.3069,
0.1653


 58.5527, 0.3125,
0.2981

 19.9681, 0.3052,
0.1539

 69.3450, 0.3127,
0.3229


 18.6920, 0.3034,
0.1468


 81.6617, 0.3127,
0.3465

 18.1318, 0.3020,
0.1437

 92.5781, 0.3128,
0.3642

 92.8434, 0.3139,
0.3641

 93.1113, 0.3149,
0.3639

 93.3819, 0.3160,
0.3638

Harmonies

Analogous

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



34.6953, 0.2311, 0.1988



34.6953, 0.3108, 0.2229



34.6953, 0.4041, 0.2677

Triad

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



34.6953, 0.3108, 0.2229



34.6953, 0.4505, 0.4518



34.6953, 0.1734, 0.2996

Complementary

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



34.6953, 0.3108, 0.2229



58.3371, 0.3110, 0.4589

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.



34.6953, 0.2189, 0.3980



34.6953, 0.3108, 0.2229



34.6953, 0.3784, 0.4940

Square

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



34.6953, 0.3108, 0.2229



34.6953, 0.4890, 0.3894



34.6953, 0.2938, 0.4797



34.6953, 0.1617, 0.2313

Rectangle

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



34.6953, 0.3108, 0.2229



34.6953, 0.4557, 0.3055



34.6953, 0.2938, 0.4797



34.6953, 0.1847, 0.3304

Sweetspot

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



34.6968, 0.3108, 0.2229



80.1757, 0.3125, 0.2966



27.0150, 0.2351, 0.2086



16.5153, 0.3125, 0.2910



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.



34.6968, 0.3108, 0.2229



41.3362, 0.3099, 0.2029



33.9270, 0.3580, 0.2649



13.2227, 0.3126, 0.3059



10.5507, 0.3023, 0.1439



0.6986, 0.3055, 0.1457

Inverse Universe

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



32.2777, 0.4148, 0.3209



37.6548, 0.4490, 0.3195



59.0056, 0.2846, 0.4045



13.0672, 0.3280, 0.3273



8.9589, 0.6315, 0.3252



0.5860, 0.6074, 0.3120

Previews

White Background



This preview shows how the Yxy color 34.6953, 0.3108, 0.2229 looks on a white background.

Color Contrast Check

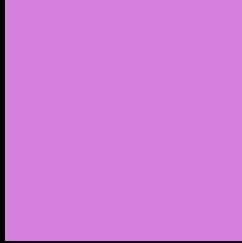
Large Text (above 18pt) WCAG AA × Fail

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 34.6953, 0.3108, 0.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

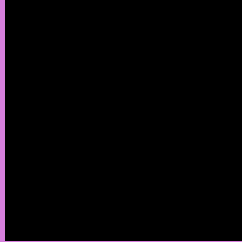
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6953, 0.3108, 0.2229

Background



This preview shows how black text looks on a background with the Yxy color 34.6953, 0.3108, 0.2229.

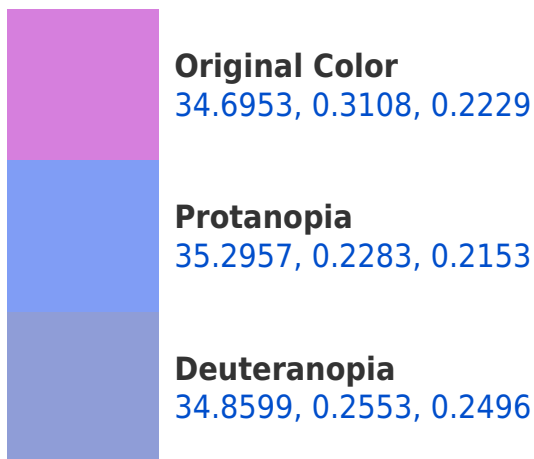


This preview shows how white text looks on a background with the Yxy color 34.6953, 0.3108, 0.2229.

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

34.6250, 0.3694, 0.3150

Trichromacy



Original Color

34.6953, 0.3108, 0.2229



Protanomaly

33.9848, 0.2521, 0.2157



Deuteranomaly

34.0025, 0.2733, 0.2373



Tritanomaly

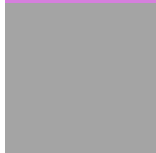
34.5156, 0.3467, 0.2783

Monochromacy



Original Color

34.6953, 0.3108, 0.2229



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.5811, 0.3119, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6953, 0.3108, 0.2229 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(214, 127, 221)` looks like.

```
.text, #text, p{  
    color:rgb(214, 127, 221)  
}
```

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(214, 127, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 127, 221) }
```

Border

The CSS property to change the border of an element to Yxy 34.6953, 0.3108, 0.2229 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(214, 127, 221) }
```

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

```
.border{ border-color:rgb(214, 127, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 127, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 127, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 127, 221);  
box-shadow:4px 4px 4px 4px rgb(214, 127,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6953, 0.3108, 0.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 127, 221) }
```

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

```
.background{ background-color: rgb(214,  
127, 221) }
```

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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