

Converting Colors

$Y_{xy}(35.1160, 0.2692, 0.2255)$

Have a look what the booklet for
Yxy(35.1160, 0.2692, 0.2255)
contains.

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Color

Yxy(35.0219, 0.2695, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	AF91E5
RGB	175, 145, 229
RGB Percent	69%, 57%, 90%
CMY	0.3137, 0.4314, 0.1019
CMYK	0.24, 0.37, 0.00, 0.10
HSL	261°, 62%, 73%
HSV	261°, 37%, 90%
XYZ	41.9485, 35.0219, 78.6825
YIQ	163.5460, -9.0840, 32.4840

Conversions

Conversions Part 2

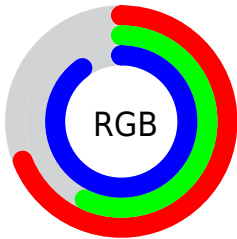
Format	Color
R_{YB}	175, 145, 229
Decimal	11506149
CIE _{Lab}	65.77, 28.24, -38.50
CIE _{LCh}	66, 47.748, 306.265
Yxy	35.0219, 0.2695, 0.2250
Android (android.graphics.Color)	4289696229 (0xFFAF91E5)
YUV	163.5460, 32.2688, 10.0452
Hunter-Lab	59.1793, 22.9635, -37.4042

Details

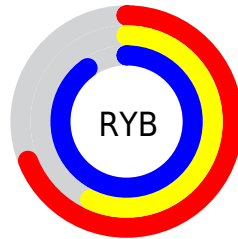
The Yxy color **35.0219, 0.2695, 0.2250** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **70.2299, 0.3451, 0.4275**, and the grayscale version is **36.7461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2227, 0.2985, 0.2713**, and **15.0875, 0.2559, 0.1987** is the 20% darker color. If you saturate the color by 10%, you get **27.1041, 0.2543, 0.1932**, and if you desaturate by 10%, it is **44.5387, 0.2834, 0.2560**.

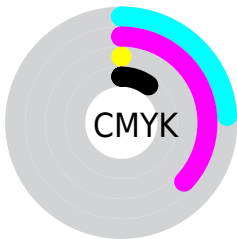
Distribution



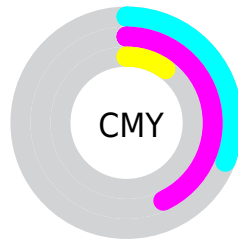
- Red (69%)
- Green (57%)
- Blue (90%)



- Red (69%)
- Yellow (57%)
- Blue (90%)



- Cyan (24%)
- Magenta (37%)
- Yellow (0%)
- Black (10%)





- Cyan (31%)
- Magenta (43%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0219, 0.2695, 0.2250 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 35.0219, 0.2695, 0.2250 by changing the saturation by 10% instead.


 35.0219, 0.2695,
0.2250

 35.0219, 0.2695,
0.2250


324.6650, 0.2926,
0.2751

 23.6797, 0.2634,
0.2132


 67.5197, 0.2782,
0.2427

 15.0962, 0.2555,
0.1986


 89.4441, 0.2813,
0.2495

 8.8869, 0.2448,
0.1801


115.6648, 0.2840,
0.2553

 4.6675, 0.2297,
0.1561

146.5660, 0.2862,
0.2604

 2.0535, 0.2074,
0.1243

182.5323, 0.2882,
0.2648

 0.6383, 0.1728,
0.0798

223.9479, 0.2898,


 0.0000, 0.0811,


0.2686


0.0000


271.1974, 0.2913,
0.2721

 0.0000, 0.0000,
0.0000

 35.0219, 0.2695,
0.2250


 35.0219, 0.2695,
0.2250

 27.1041, 0.2543,
0.1932


 44.5387, 0.2834,
0.2560

 20.6900, 0.2382,
0.1621


 55.7340, 0.2957,
0.2853


 15.6802, 0.2219,
0.1334

 68.6873, 0.3064,
0.3123

 11.9613, 0.2062,
0.1089

 83.4712, 0.3156,
0.3368

 9.4011, 0.1920,
0.0901

 97.2462, 0.3239,
0.3545

■ 7.8331, 0.1801,
0.0778

■ 98.4376, 0.3280,
0.3542

■ 7.4420, 0.1766,
0.0747

Harmonies

Analogous

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



35.0219, 0.2162, 0.2177



35.0219, 0.2695, 0.2250



35.0219, 0.3419, 0.2533

Triad

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



35.0219, 0.2695, 0.2250



35.0219, 0.4509, 0.4045



35.0219, 0.2176, 0.3534

Complementary

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



35.0219, 0.2695, 0.2250



70.2299, 0.3451, 0.4275

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.



35.0219, 0.2730, 0.4273



35.0219, 0.2695, 0.2250



35.0219, 0.4082, 0.4491

Square

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



35.0219, 0.2695, 0.2250



35.0219, 0.4545, 0.3504



35.0219, 0.3428, 0.4634



35.0219, 0.1890, 0.2813

Rectangle

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



35.0219, 0.2695, 0.2250



35.0219, 0.3913, 0.2815



35.0219, 0.3428, 0.4634



35.0219, 0.2335, 0.3798

Sweetspot

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



35.0233, 0.2695, 0.2250



80.1299, 0.3019, 0.3008



52.8034, 0.2562, 0.2916



16.6691, 0.3004, 0.2971



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.



35.0233, 0.2695, 0.2250



36.8565, 0.2581, 0.2009



40.5698, 0.3056, 0.2352



14.1363, 0.3036, 0.3051



4.3161, 0.1781, 0.0755



0.3697, 0.1943, 0.0844

Inverse Universe

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



41.0342, 0.3449, 0.2683



45.7475, 0.3540, 0.2559



65.3159, 0.3157, 0.4372



14.5232, 0.3192, 0.3140



10.7563, 0.4364, 0.2178



0.8124, 0.4151, 0.2060

Previews

White Background



This preview shows how the Yxy color 35.0219, 0.2695, 0.2250 looks on a white background.

Color Contrast Check

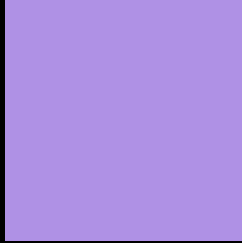
Large Text (above 18pt) WCAG AA × Fail

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 35.0219, 0.2695, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

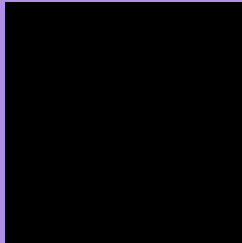
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0219, 0.2695, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 35.0219, 0.2695, 0.2250.



This preview shows how white text looks on a background with the Yxy color 35.0219, 0.2695, 0.2250.

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

35.0219, 0.2695, 0.2250

Protanopia

35.2515, 0.2338, 0.2218

Deuteranopia

35.1789, 0.2438, 0.2375



Tritanopia

34.9087, 0.3078, 0.3104

Trichromacy



Original Color

35.0219, 0.2695, 0.2250

Protanomaly

35.0765, 0.2458, 0.2234

Deuteranomaly

34.8125, 0.2522, 0.2320

Tritanomaly

34.8689, 0.2935, 0.2770

Monochromacy



Original Color

35.0219, 0.2695, 0.2250

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.0696, 0.2961, 0.2864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0219, 0.2695, 0.2250 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(175, 145, 229)` looks like.

```
.text, #text, p{  
    color:rgb(175, 145, 229)  
}
```

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(175, 145, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 145, 229) }
```

Border

The CSS property to change the border of an element to Yxy 35.0219, 0.2695, 0.2250 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(175, 145, 229) }
```

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

```
.border{ border-color:rgb(175, 145, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 145, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 145, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 145, 229);  
box-shadow:4px 4px 4px 4px rgb(175, 145,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0219, 0.2695, 0.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 145, 229) }
```

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

```
.background{ background-color: rgb(175,  
145, 229) }
```

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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