

Converting Colors

$Y_{xy}(36.6995, 0.2679, 0.2336)$

Have a look what the booklet for
Yxy(36.6995, 0.2679, 0.2336)
contains.

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Color

Yxy(36.7158, 0.2677, 0.2338)

Conversions

Conversions Part 1

Format	Color
Hex	AB98E4
RGB	171, 152, 228
RGB Percent	67%, 60%, 89%
CMY	0.3291, 0.4040, 0.1058
CMYK	0.25, 0.33, 0.00, 0.11
HSL	255°, 58%, 75%
HSV	255°, 33%, 89%
XYZ	42.0394, 36.7158, 78.2841
YIQ	166.3450, -13.0720, 27.6640

Conversions

Conversions Part 2

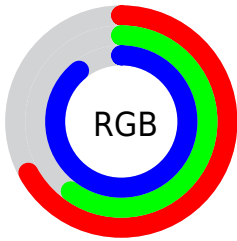
Format	Color
RYB	171, 152, 228
Decimal	11245796
CIELab	67.06, 22.93, -35.96
CIELCh	67, 42.645, 302.520
Yxy	36.7158, 0.2677, 0.2338
Android (android.graphics.Color)	4289435876 (0xFFAB98E4)
YUV	166.3450, 30.3959, 4.0824
Hunter-Lab	60.5936, 17.8034, -34.1845

Details

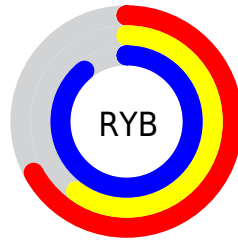
The Yxy color **36.7158, 0.2677, 0.2338** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.3089, 0.3484, 0.4163**, and the grayscale version is **38.1679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6935, 0.2950, 0.2781**, and **16.0678, 0.2537, 0.2097** is the 20% darker color. If you saturate the color by 10%, you get **28.2185, 0.2507, 0.2009**, and if you desaturate by 10%, it is **46.8865, 0.2832, 0.2652**.

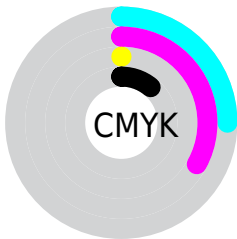
Distribution



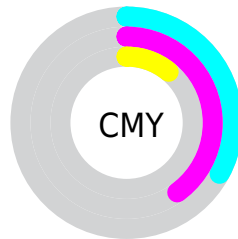
- Red (67%)
- Green (60%)
- Blue (89%)



- Red (67%)
- Yellow (60%)
- Blue (89%)



- Cyan (25%)
- Magenta (33%)
- Yellow (0%)
- Black (11%)





- Cyan (33%)
- Magenta (40%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7158, 0.2677, 0.2338 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 36.7158, 0.2677, 0.2338 by changing the saturation by 10% instead.

 36.7158, 0.2677,
0.2338

 36.7158, 0.2677,
0.2338


332.0785, 0.2913,
0.2799

 24.9875, 0.2616,
0.2229


 70.1355, 0.2765,
0.2501

 16.0678, 0.2536,
0.2093


 92.5956, 0.2797,
0.2564

 9.5721, 0.2430,
0.1920


119.4019, 0.2824,
0.2617

 5.1162, 0.2281,
0.1692

150.9387, 0.2848,
0.2664

 2.3156, 0.2063,
0.1387

187.5903, 0.2867,
0.2704

 0.7819, 0.1722,
0.0967

229.7412, 0.2885,

 0.0000, 0.0843,

0.2739

0.0000

277.7758, 0.2900,
0.2771

0.0000, 0.0000,
0.0000

36.7158, 0.2677,
0.2338

36.7158, 0.2677,
0.2338

28.2185, 0.2507,
0.2009

46.8865, 0.2832,
0.2652

21.2989, 0.2327,
0.1680

58.8103, 0.2970,
0.2944

15.8584, 0.2146,
0.1368

72.5672, 0.3091,
0.3208

11.7849, 0.1973,
0.1095

88.2309, 0.3194,
0.3444

8.9502, 0.1821,
0.0881

98.3826, 0.3285,
0.3552

■ 7.1998, 0.1699,
0.0737

■ 6.4799, 0.1636,
0.0675

Harmonies

Analogous

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



36.7158, 0.2223, 0.2302



36.7158, 0.2677, 0.2338



36.7158, 0.3305, 0.2573

Triad

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



36.7158, 0.2677, 0.2338



36.7158, 0.4377, 0.3922



36.7158, 0.2336, 0.3594

Complementary

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



36.7158, 0.2677, 0.2338



71.3089, 0.3484, 0.4163

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.



36.7158, 0.2858, 0.4204



36.7158, 0.2677, 0.2338



36.7158, 0.4045, 0.4323

Square

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



36.7158, 0.2677, 0.2338



36.7158, 0.4350, 0.3434



36.7158, 0.3484, 0.4471



36.7158, 0.2040, 0.2948

Rectangle

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



36.7158, 0.2677, 0.2338



36.7158, 0.3743, 0.2818



36.7158, 0.3484, 0.4471



36.7158, 0.2489, 0.3818

Sweetspot

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



36.7173, 0.2677, 0.2338



81.3519, 0.3012, 0.3034



57.8813, 0.2624, 0.3053



16.8938, 0.2994, 0.2995



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.



36.7173, 0.2677, 0.2338



39.5398, 0.2561, 0.2112



41.6082, 0.2998, 0.2421



14.0611, 0.3019, 0.3050



3.7883, 0.1648, 0.0682



0.3231, 0.1795, 0.0762

Inverse Universe

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



43.5460, 0.3336, 0.2654



49.7214, 0.3392, 0.2523



66.4208, 0.3208, 0.4244



14.5501, 0.3176, 0.3116



11.2366, 0.3964, 0.1958



0.8450, 0.3830, 0.1884

Previews

White Background



This preview shows how the Yxy color 36.7158, 0.2677, 0.2338 looks on a white background.

Color Contrast Check

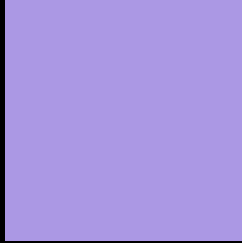
Large Text (above 18pt) WCAG AA × Fail

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 36.7158, 0.2677, 0.2338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

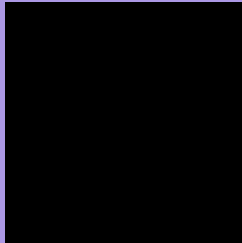
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7158, 0.2677, 0.2338

Background



This preview shows how black text looks on a background with the Yxy color 36.7158, 0.2677, 0.2338.



This preview shows how white text looks on a background with the Yxy color 36.7158, 0.2677, 0.2338.

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

36.7158, 0.2677, 0.2338

Protanopia

36.9769, 0.2413, 0.2324

Deuteranopia

36.8204, 0.2492, 0.2427



Tritanopia

36.5129, 0.3006, 0.3105

Trichromacy



Original Color

36.7158, 0.2677, 0.2338

Protanomaly

36.8592, 0.2507, 0.2336

Deuteranomaly

36.7721, 0.2552, 0.2392

Tritanomaly

36.3481, 0.2885, 0.2798

Monochromacy



Original Color

36.7158, 0.2677, 0.2338

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.4887, 0.2953, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7158, 0.2677, 0.2338 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(171, 152, 228)` looks like.

```
.text, #text, p{  
    color:rgb(171, 152, 228)  
}
```

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(171, 152, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 152, 228) }
```

Border

The CSS property to change the border of an element to Yxy 36.7158, 0.2677, 0.2338 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(171, 152, 228) }
```

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

```
.border{ border-color:rgb(171, 152, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 152, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 152, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 152, 228);  
box-shadow:4px 4px 4px 4px rgb(171, 152,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7158, 0.2677, 0.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 152, 228) }
```

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

```
.background{ background-color: rgb(171,  
152, 228) }
```

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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