

Converting Colors

$Y_{xy}(36.1607, 0.2637, 0.2140)$

Have a look what the booklet for
Yxy(36.1607, 0.2637, 0.2140)
contains.

Yxy(36.2453, 0.2638, 0.2137)	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(36.2453, 0.2638, 0.2137)

Conversions

Conversions Part 1

Format	Color
Hex	B391F2
RGB	179, 145, 242
RGB Percent	70%, 57%, 95%
CMY	0.2980, 0.4314, 0.0511
CMYK	0.26, 0.40, 0.00, 0.05
HSL	261°, 79%, 76%
HSV	261°, 40%, 95%
XYZ	44.7427, 36.2453, 88.6204
YIQ	166.2240, -10.8730, 37.3750

Conversions

Conversions Part 2

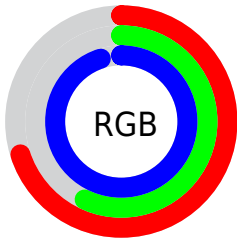
Format	Color
RYB	179, 145, 242
Decimal	11768306
CIELab	66.71, 32.46, -44.13
CIELCh	67, 54.785, 306.332
Yxy	36.2453, 0.2638, 0.2137
Android (android.graphics.Color)	4289958386 (0xFFB391F2)
YUV	166.2240, 37.3576, 11.2046
Hunter-Lab	60.2041, 27.3012, -45.1320

Details

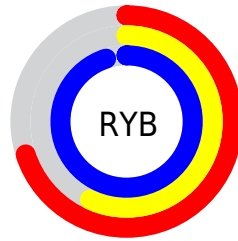
The Yxy color **36.2453, 0.2638, 0.2137** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **78.9356, 0.3482, 0.4373**, and the grayscale version is **38.0688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8997, 0.3014, 0.2718**, and **15.7933, 0.2488, 0.1865** is the 20% darker color. If you saturate the color by 10%, you get **27.8560, 0.2480, 0.1818**, and if you desaturate by 10%, it is **46.4253, 0.2783, 0.2453**.

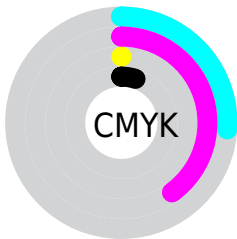
Distribution



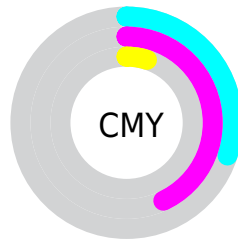
- Red (70%)
- Green (57%)
- Blue (95%)



- Red (70%)
- Yellow (57%)
- Blue (95%)



- Cyan (26%)
- Magenta (40%)
- Yellow (0%)
- Black (5%)




- Cyan (30%)
- Magenta (43%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2453, 0.2638, 0.2137 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 36.2453, 0.2638, 0.2137 by changing the saturation by 10% instead.


 36.2453, 0.2638,
0.2137


 36.2453, 0.2638,
0.2137


330.0314, 0.2897,
0.2682

 24.6237, 0.2571,
0.2013

 69.4105, 0.2734,
0.2327

 15.7969, 0.2484,
0.1860


 91.7229, 0.2770,
0.2400

 9.3806, 0.2369,
0.1670


118.3677, 0.2800,
0.2464

 4.9902, 0.2210,
0.1428

149.7293, 0.2825,
0.2519

 2.2415, 0.1980,
0.1119

186.1921, 0.2847,
0.2567

 0.7425, 0.1636,
0.0722

228.1404, 0.2866,

 0.0000, 0.1021,

0.2610

0.0000

275.9587, 0.2883,
0.2648

0.0000, 0.0000,
0.0000

36.2453, 0.2638,
0.2137

36.2453, 0.2638,
0.2137

27.8560, 0.2480,
0.1818

46.4253, 0.2783,
0.2453

21.1452, 0.2316,
0.1511

58.4905, 0.2914,
0.2754

15.9943, 0.2152,
0.1235

72.5338, 0.3028,
0.3034

12.2664, 0.1999,
0.1008

88.6404, 0.3126,
0.3288

9.7999, 0.1864,
0.0843

99.1892, 0.3203,
0.3415

■ 8.3354, 0.1754,
0.0740

Harmonies

Analogous

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



36.2453, 0.2051, 0.2052



36.2453, 0.2638, 0.2137



36.2453, 0.3454, 0.2448

Triad

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



36.2453, 0.2638, 0.2137



36.2453, 0.4673, 0.4109



36.2453, 0.2056, 0.3557

Complementary

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



36.2453, 0.2638, 0.2137



78.9356, 0.3482, 0.4373

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.



36.2453, 0.2666, 0.4421



36.2453, 0.2638, 0.2137



36.2453, 0.4180, 0.4629

Square

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



36.2453, 0.2638, 0.2137



36.2453, 0.4732, 0.3508



36.2453, 0.3444, 0.4826



36.2453, 0.1750, 0.2737

Rectangle

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



36.2453, 0.2638, 0.2137



36.2453, 0.4018, 0.2755



36.2453, 0.3444, 0.4826



36.2453, 0.2229, 0.3865

Sweetspot

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



36.2467, 0.2638, 0.2137



78.4318, 0.3007, 0.2981



57.5569, 0.2510, 0.2874



16.3289, 0.2992, 0.2945



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.



36.2467, 0.2638, 0.2137



33.0624, 0.2512, 0.1880



43.0609, 0.3046, 0.2263



15.4984, 0.3034, 0.3050



4.5478, 0.1770, 0.0749



0.4319, 0.1914, 0.0828

Inverse Universe

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



43.6755, 0.3484, 0.2618



42.6822, 0.3585, 0.2489



72.9596, 0.3157, 0.4493



15.9317, 0.3192, 0.3138



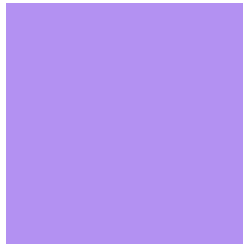
11.4775, 0.4342, 0.2165



0.9736, 0.4153, 0.2062

Previews

White Background



This preview shows how the Yxy color 36.2453, 0.2638, 0.2137 looks on a white background.

Color Contrast Check

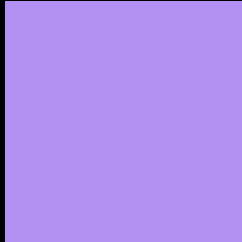
Large Text (above 18pt) WCAG AA × Fail

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 36.2453, 0.2638, 0.2137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

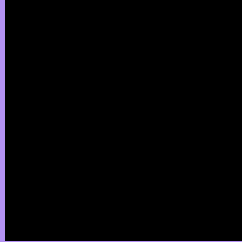
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2453, 0.2638, 0.2137

Background



This preview shows how black text looks on a background with the Yxy color 36.2453, 0.2638, 0.2137.



This preview shows how white text looks on a background with the Yxy color 36.2453, 0.2638, 0.2137.

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

36.2453, 0.2638, 0.2137

Protanopia

36.4641, 0.2240, 0.2093

Deuteranopia

36.4676, 0.2335, 0.2269



Tritanopia

36.2272, 0.3078, 0.3120

Trichromacy



Original Color

36.2453, 0.2638, 0.2137

Protanomaly

36.1243, 0.2363, 0.2100

Deuteranomaly

36.0299, 0.2433, 0.2210

Tritanomaly

36.1318, 0.2913, 0.2727

Monochromacy



Original Color

36.2453, 0.2638, 0.2137

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.0067, 0.2938, 0.2806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2453, 0.2638, 0.2137 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(179, 145, 242)` looks like.

```
.text, #text, p{  
    color:rgb(179, 145, 242)  
}
```

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(179, 145, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 145, 242) }
```

Border

The CSS property to change the border of an element to Yxy 36.2453, 0.2638, 0.2137 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(179, 145, 242) }
```

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

```
.border{ border-color:rgb(179, 145, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 145, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 145, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 145, 242);  
box-shadow:4px 4px 4px 4px rgb(179, 145,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2453, 0.2638, 0.2137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 145, 242) }
```

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

```
.background{ background-color: rgb(179,  
145, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor