

Converting Colors

$Y_{xy}(36.0317, 0.2601, 0.2049)$

Have a look what the booklet for
Yxy(36.0317, 0.2601, 0.2049)
contains.

Yxy(36.0093, 0.2604, 0.2046)	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(36.0093, 0.2604, 0.2046)

Conversions

Conversions Part 1

Format	Color
Hex	B58EF9
RGB	181, 142, 249
RGB Percent	71%, 56%, 98%
CMY	0.2901, 0.4431, 0.0235
CMYK	0.27, 0.43, 0.00, 0.02
HSL	262°, 90%, 77%
HSV	262°, 43%, 98%
XYZ	45.8300, 36.0093, 94.1592
YIQ	165.8590, -11.1030, 41.5450

Conversions

Conversions Part 2

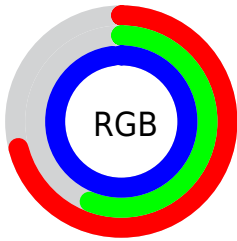
Format	Color
RYB	181, 142, 249
Decimal	11898617
CIELab	66.53, 36.36, -48.26
CIELCh	67, 60.421, 306.996
Yxy	36.0093, 0.2604, 0.2046
Android (android.graphics.Color)	4290088697 (0xFFB58EF9)
YUV	165.8590, 40.9885, 13.2787
Hunter-Lab	60.0077, 31.3131, -51.0276

Details

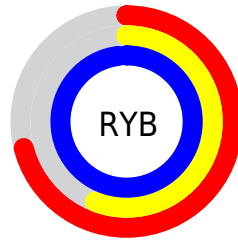
The Yxy color **36.0093, 0.2604, 0.2046** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.4059, 0.3494, 0.4461**, and the grayscale version is **37.8655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0506, 0.3036, 0.2691**, and **15.6479, 0.2437, 0.1756** is the 20% darker color. If you saturate the color by 10%, you get **27.6052, 0.2447, 0.1730**, and if you desaturate by 10%, it is **46.2881, 0.2751, 0.2363**.

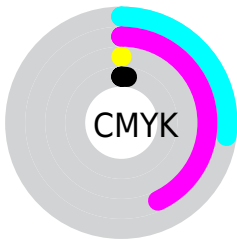
Distribution



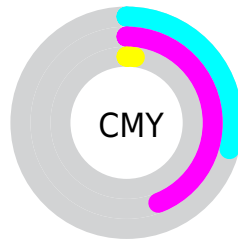
- Red (71%)
- Green (56%)
- Blue (98%)



- Red (71%)
- Yellow (56%)
- Blue (98%)



- Cyan (27%)
- Magenta (43%)
- Yellow (0%)
- Black (2%)




- Cyan (29%)
- Magenta (44%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0093, 0.2604, 0.2046 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 36.0093, 0.2604, 0.2046 by changing the saturation by 10% instead.

 36.0093, 0.2604,
0.2046


 36.0093, 0.2604,
0.2046


329.0012, 0.2882,
0.2627

 24.4414, 0.2533,
0.1915


 69.0464, 0.2707,
0.2247

 15.6614, 0.2441,
0.1757


 91.2844, 0.2745,
0.2325

 9.2848, 0.2319,
0.1561


 117.8479, 0.2777,
0.2393

 4.9274, 0.2152,
0.1316

149.1212, 0.2804,
0.2452

 2.2047, 0.1915,
0.1009

185.4888, 0.2828,
0.2504

 0.7226, 0.1569,
0.0627

227.3351, 0.2848,

 0.0000, 0.1012,

0.2550

0.0000

275.0444, 0.2866,
0.2591

0.0000, 0.0000,
0.0000

36.0093, 0.2604,
0.2046

36.0093, 0.2604,
0.2046

27.6052, 0.2447,
0.1730

46.2881, 0.2751,
0.2363

20.9529, 0.2284,
0.1433

58.5456, 0.2883,
0.2669

15.9209, 0.2124,
0.1171

72.8828, 0.2999,
0.2955

12.3566, 0.1976,
0.0962

89.3925, 0.3100,
0.3217

10.0756, 0.1848,
0.0818

99.6197, 0.3162,
0.3347

■ 9.0532, 0.1773,
0.0750

Harmonies

Analogous

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



36.0093, 0.1967, 0.1946



36.0093, 0.2604, 0.2046



36.0093, 0.3503, 0.2384

Triad

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



36.0093, 0.2604, 0.2046



36.0093, 0.4805, 0.4169



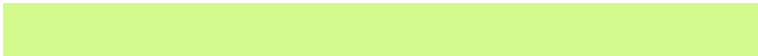
36.0093, 0.1942, 0.3555

Complementary

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



36.0093, 0.2604, 0.2046



83.4059, 0.3494, 0.4461

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.



36.0093, 0.2591, 0.4540



36.0093, 0.2604, 0.2046



36.0093, 0.4244, 0.4754

Square

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



36.0093, 0.2604, 0.2046



36.0093, 0.4899, 0.3519



36.0093, 0.3435, 0.4995



36.0093, 0.1629, 0.2653

Rectangle

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



36.0093, 0.2604, 0.2046



36.0093, 0.4128, 0.2714



36.0093, 0.3435, 0.4995



36.0093, 0.2124, 0.3903

Sweetspot

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



36.0107, 0.2604, 0.2046



76.8647, 0.2999, 0.2954



59.4533, 0.2467, 0.2838



15.6952, 0.2975, 0.2892



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.



36.0107, 0.2604, 0.2046



29.8671, 0.2461, 0.1759



43.5009, 0.3038, 0.2189



16.9511, 0.3036, 0.3049



4.9191, 0.1788, 0.0759



0.5132, 0.1919, 0.0831

Inverse Universe

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



44.1383, 0.3534, 0.2584



39.7655, 0.3658, 0.2446



76.9802, 0.3156, 0.4595



17.4109, 0.3194, 0.3140



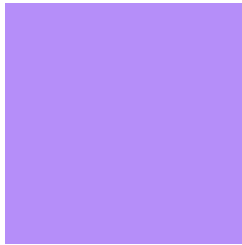
12.1341, 0.4399, 0.2197



1.1442, 0.4219, 0.2098

Previews

White Background



This preview shows how the Yxy color 36.0093, 0.2604, 0.2046 looks on a white background.

Color Contrast Check

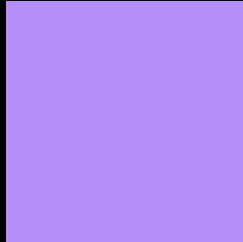
Large Text (above 18pt) WCAG AA × Fail

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 36.0093, 0.2604, 0.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

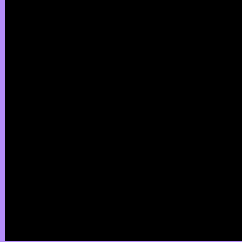
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0093, 0.2604, 0.2046

Background



This preview shows how black text looks on a background with the Yxy color 36.0093, 0.2604, 0.2046.



This preview shows how white text looks on a background with the Yxy color 36.0093, 0.2604, 0.2046.

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

36.0093, 0.2604, 0.2046

Protanopia

36.3762, 0.2225, 0.2080

Deuteranopia

36.2199, 0.2259, 0.2197



Tritanopia

35.8818, 0.3079, 0.3106

Trichromacy



Original Color

36.0093, 0.2604, 0.2046



Protanomaly

35.8941, 0.2339, 0.2058



Deuteranomaly

35.6047, 0.2365, 0.2131



Tritanomaly

35.6105, 0.2888, 0.2663

Monochromacy



Original Color

36.0093, 0.2604, 0.2046



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.7574, 0.2922, 0.2767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0093, 0.2604, 0.2046 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(181, 142, 249)` looks like.

```
.text, #text, p{  
    color:rgb(181, 142, 249)  
}
```

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(181, 142, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 142, 249) }
```

Border

The CSS property to change the border of an element to Yxy 36.0093, 0.2604, 0.2046 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(181, 142, 249) }
```

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

```
.border{ border-color:rgb(181, 142, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 142, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 142, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 142, 249);  
box-shadow:4px 4px 4px 4px rgb(181, 142,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0093, 0.2604, 0.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 142, 249) }
```

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

```
.background{ background-color: rgb(181,  
142, 249) }
```

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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