

Converting Colors

$Y_{xy}(40.2665, 0.2911, 0.2013)$

Have a look what the booklet for
Yxy(40.2665, 0.2911, 0.2013)
contains.

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Color

Yxy(40.1638, 0.2930, 0.2036)

Conversions

Conversions Part 1

Format	Color
Hex	E285FF
RGB	226, 133, 255
RGB Percent	89%, 52%, 100%
CMY	0.1137, 0.4784, 0.0000
CMYK	0.11, 0.48, 0.00, 0.00
HSL	286°, 100%, 76%
HSV	286°, 48%, 100%
XYZ	57.7996, 40.1638, 99.3048
YIQ	174.7150, 16.2660, 57.6580

Conversions

Conversions Part 2

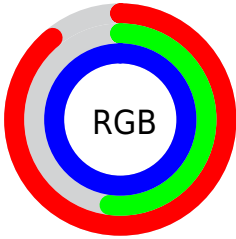
Format	Color
R_{YB}	226, 133, 255
Decimal	14845439
CIE _{Lab}	69.59, 54.70, -46.39
CIE _{LCh}	70, 71.727, 319.700
Yxy	40.1638, 0.2930, 0.2036
Android (android.graphics.Color)	4293035519 (0xFFE285FF)
YUV	174.7150, 39.5805, 44.9769
Hunter-Lab	63.3749, 51.8905, -48.5415

Details

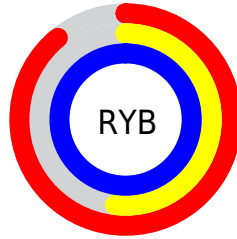
The Yxy color **40.1638, 0.2930, 0.2036** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.8887, 0.3216, 0.4739**, and the grayscale version is **42.5020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **17.9940, 0.2843, 0.1756** is the 20% darker color. If you saturate the color by 10%, you get **33.0475, 0.2871, 0.1795**, and if you desaturate by 10%, it is **49.0125, 0.2983, 0.2297**.

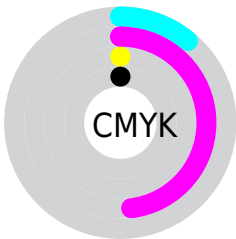
Distribution



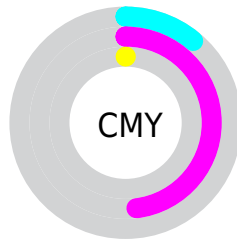
- Red (89%)
- Green (52%)
- Blue (100%)



- Red (89%)
- Yellow (52%)
- Blue (100%)



- Cyan (11%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1638, 0.2930, 0.2036 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 40.1638, 0.2930, 0.2036 by changing the saturation by 10% instead.

 40.1638, 0.2930,
0.2036


 40.1638, 0.2930,
0.2036


346.8135, 0.3050,
0.2603


 27.6663, 0.2896,
0.1912


 75.4129, 0.2977,
0.2228

 18.0742, 0.2850,
0.1764


 98.9332, 0.2994,
0.2305

 11.0033, 0.2787,
0.1582


 126.8966, 0.3008,
0.2371

 6.0691, 0.2696,
0.1358

159.6875, 0.3019,
0.2429

 2.8871, 0.2560,
0.1079

197.6902, 0.3029,
0.2480

 1.0731, 0.2342,
0.0736

241.2892, 0.3037,

 0.0000, 0.2046,

0.2525

0.0000

290.8688, 0.3044,
0.2566

0.0000, 0.0910,
0.0000

0.0000, 0.0000,
0.0000

40.1638, 0.2930,
0.2036

40.1638, 0.2930,
0.2036

33.0475, 0.2871,
0.1795

49.0125, 0.2983,
0.2297

27.5335, 0.2808,
0.1586

59.7011, 0.3031,
0.2567

23.4812, 0.2743,
0.1417

72.3342, 0.3071,
0.2835

20.7229, 0.2679,
0.1296

87.0072, 0.3105,
0.3096

■ 19.0344, 0.2616,
0.1221

99.9994, 0.3127,
0.3290

■ 18.7401, 0.2602,
0.1207

Harmonies

Analogous

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



40.1638, 0.2082, 0.1811



40.1638, 0.2930, 0.2036



40.1638, 0.4012, 0.2497

Triad

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



40.1638, 0.2930, 0.2036



40.1638, 0.4770, 0.4530



40.1638, 0.1602, 0.3091

Complementary

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



40.1638, 0.2930, 0.2036



80.8887, 0.3216, 0.4739

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.



40.1638, 0.2156, 0.4289



40.1638, 0.2930, 0.2036



40.1638, 0.3979, 0.5130

Square

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



40.1638, 0.2930, 0.2036



40.1638, 0.5161, 0.3806



40.1638, 0.3030, 0.5160



40.1638, 0.1431, 0.2253

Rectangle

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



40.1638, 0.2930, 0.2036



40.1638, 0.4661, 0.2898



40.1638, 0.3030, 0.5160



40.1638, 0.1743, 0.3471

Sweetspot

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



40.1655, 0.2930, 0.2036



77.7259, 0.3085, 0.2937



38.5804, 0.2281, 0.2151



15.9805, 0.3077, 0.2880



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.



40.1655, 0.2930, 0.2036



33.5833, 0.2876, 0.1814



43.4443, 0.3460, 0.2380



18.0701, 0.3100, 0.3053



9.8650, 0.2613, 0.1213



1.0104, 0.2684, 0.1252

Inverse Universe

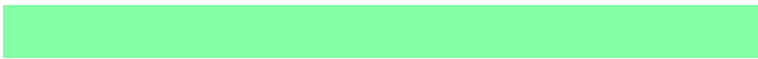
The Inverse Universe completely reimagines the original color for something new.



40.6442, 0.4133, 0.2992



34.3560, 0.4447, 0.2948



79.1634, 0.2915, 0.4431



18.0578, 0.3257, 0.3234



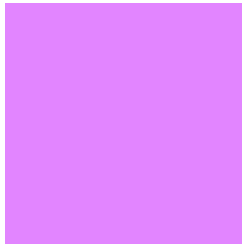
11.3018, 0.5973, 0.3064



1.1165, 0.5662, 0.2893

Previews

White Background



This preview shows how the Yxy color 40.1638, 0.2930, 0.2036 looks on a white background.

Color Contrast Check

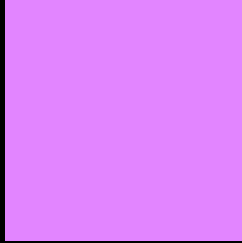
Large Text (above 18pt) WCAG AA × Fail

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 40.1638, 0.2930, 0.2036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

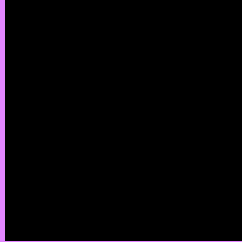
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1638, 0.2930, 0.2036

Background



This preview shows how black text looks on a background with the Yxy color 40.1638, 0.2930, 0.2036.



This preview shows how white text looks on a background with the Yxy color 40.1638, 0.2930, 0.2036.

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

40.1638, 0.2930, 0.2036

Protanopia

40.7142, 0.2325, 0.2217

Deuteranopia

40.5565, 0.2356, 0.2296



Tritanopia

40.0105, 0.3605, 0.3144

Trichromacy



Original Color

40.1638, 0.2930, 0.2036



Protanomaly

39.3206, 0.2509, 0.2118



Deuteranomaly

39.2880, 0.2526, 0.2163

Tritanomaly

39.5404, 0.3351, 0.2683

Monochromacy



Original Color

40.1638, 0.2930, 0.2036



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.9706, 0.3062, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1638, 0.2930, 0.2036 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(226, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 133, 255)  
}
```

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(226, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.1638, 0.2930, 0.2036 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(226, 133, 255) }
```

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

```
.border{ border-color:rgb(226, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1638, 0.2930, 0.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 133, 255) }
```

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

```
.background{ background-color: rgb(226,  
133, 255) }
```

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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