

Converting Colors

$Y_{xy}(48.6470, 0.2229, 0.1457)$

Have a look what the booklet for
Yxy(48.6470, 0.2229, 0.1457)
contains.

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Color

Yxy(40.1457, 0.2758, 0.2081)

Conversions

Conversions Part 1

Format	Color
Hex	CD90FF
RGB	205, 144, 255
RGB Percent	80%, 56%, 100%
CMY	0.1960, 0.4353, 0.0000
CMYK	0.20, 0.44, 0.00, 0.00
HSL	273°, 100%, 78%
HSV	273°, 44%, 100%
XYZ	53.2061, 40.1457, 99.5637
YIQ	174.8930, 0.7250, 47.4530

Conversions

Conversions Part 2

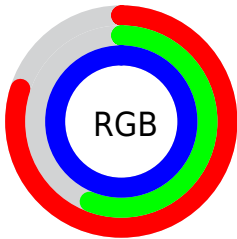
Format	Color
R _Y B	205, 144, 255
Decimal	13471999
CIE Lab	69.57, 43.23, -46.58
CIE LCh	70, 63.549, 312.860
Yxy	40.1457, 0.2758, 0.2081
Android (android.graphics.Color)	4291662079 (0xFFCD90FF)
YUV	174.8930, 39.4928, 26.4038
Hunter-Lab	63.3606, 39.0114, -48.8147

Details

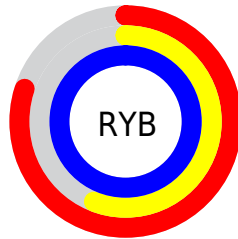
The Yxy color $40.1457, 0.2758, 0.2081$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84.9985, 0.3362, 0.4533$, and the grayscale version is $42.6039, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.3268, 0.3153, 0.2742$, and $18.1211, 0.2640, 0.1811$ is the 20% darker color. If you saturate the color by 10%, you get $31.7019, 0.2644, 0.1794$, and if you desaturate by 10%, it is $50.4549, 0.2862, 0.2376$.

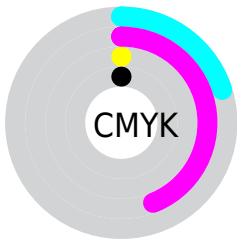
Distribution



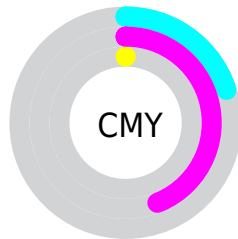
- Red (80%)
- Green (56%)
- Blue (100%)



- Red (80%)
- Yellow (56%)
- Blue (100%)



- Cyan (20%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1457, 0.2758, 0.2081 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 40.1457, 0.2758, 0.2081 by changing the saturation by 10% instead.


 40.1457, 0.2758,
0.2081


 40.1457, 0.2758,
0.2081


346.7373, 0.2958,
0.2635

 27.6522, 0.2706,
0.1959


 75.3853, 0.2833,
0.2270

 18.0636, 0.2638,
0.1811


 98.9002, 0.2861,
0.2345

 10.9957, 0.2547,
0.1629


126.8577, 0.2884,
0.2409

 6.0639, 0.2422,
0.1403

159.6421, 0.2903,
0.2466

 2.8840, 0.2241,
0.1119

197.6379, 0.2920,
0.2516

 1.0715, 0.1967,
0.0767

241.2294, 0.2934,

 0.0000, 0.1594,

0.2560

0.0000

290.8011, 0.2947,
0.2599

■ 0.0000, 0.0000,
0.0000

■ 40.1457, 0.2758,
0.2081

■ 40.1457, 0.2758,
0.2081

■ 31.7019, 0.2644,
0.1794

■ 50.4549, 0.2862,
0.2376

■ 25.0000, 0.2524,
0.1529

■ 62.7377, 0.2955,
0.2666

■ 19.9041, 0.2401,
0.1299

■ 77.0964, 0.3036,
0.2944

■ 16.2567, 0.2282,
0.1118

■ 93.6253, 0.3105,
0.3203

■ 13.8660, 0.2172,
0.0991

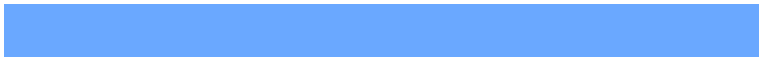
■ 100.0000, 0.3127,
0.3290

■ 12.8126, 0.2105,
0.0933

Harmonies

Analogous

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



40.1457, 0.2054, 0.1930



40.1457, 0.2758, 0.2081



40.1457, 0.3698, 0.2463

Triad

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



40.1457, 0.2758, 0.2081



40.1457, 0.4744, 0.4302



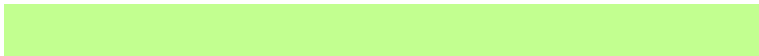
40.1457, 0.1837, 0.3355

Complementary

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



40.1457, 0.2758, 0.2081



84.9985, 0.3362, 0.4533

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.



40.1457, 0.2432, 0.4389



40.1457, 0.2758, 0.2081



40.1457, 0.4108, 0.4860

Square

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



40.1457, 0.2758, 0.2081



40.1457, 0.4951, 0.3646



40.1457, 0.3265, 0.4993



40.1457, 0.1590, 0.2508

Rectangle

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



40.1457, 0.2758, 0.2081



40.1457, 0.4310, 0.2816



40.1457, 0.3265, 0.4993



40.1457, 0.1998, 0.3704

Sweetspot

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



40.1464, 0.2758, 0.2081



77.9214, 0.3040, 0.2958



52.5362, 0.2415, 0.2576



15.9553, 0.3024, 0.2898



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.



40.1464, 0.2758, 0.2081



32.8800, 0.2662, 0.1837



48.1879, 0.3208, 0.2251



17.8700, 0.3065, 0.3050



6.7848, 0.2122, 0.0942



0.7255, 0.2238, 0.1007

Inverse Universe

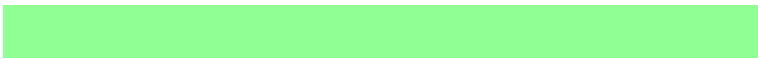
The Inverse Universe completely reimagines the original color for something new.



45.0976, 0.3749, 0.2774



38.6589, 0.3934, 0.2682



79.5769, 0.3046, 0.4610



18.1230, 0.3223, 0.3183



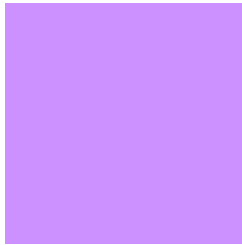
11.7823, 0.5175, 0.2625



1.1689, 0.4895, 0.2470

Previews

White Background



This preview shows how the Yxy color 40.1457, 0.2758, 0.2081 looks on a white background.

Color Contrast Check

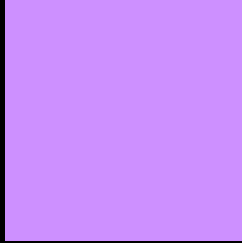
Large Text (above 18pt) WCAG AA × Fail

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 40.1457, 0.2758, 0.2081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

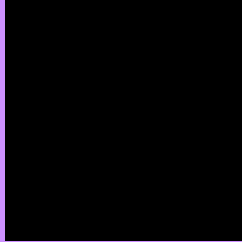
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1457, 0.2758, 0.2081

Background



This preview shows how black text looks on a background with the Yxy color 40.1457, 0.2758, 0.2081.



This preview shows how white text looks on a background with the Yxy color 40.1457, 0.2758, 0.2081.

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

40.1457, 0.2758, 0.2081

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.5123, 0.2335, 0.2274



Tritanopia

40.1423, 0.3297, 0.3121

Trichromacy



Original Color

40.1457, 0.2758, 0.2081



Protanomaly

39.8028, 0.2459, 0.2149



Deuteranomaly

39.7470, 0.2464, 0.2184

Tritanomaly

39.6726, 0.3091, 0.2686

Monochromacy



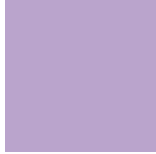
Original Color

40.1457, 0.2758, 0.2081



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.3497, 0.2991, 0.2784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1457, 0.2758, 0.2081 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(205, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 144, 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(205, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.1457, 0.2758, 0.2081 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(205, 144, 255) }
```

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

```
.border{ border-color:rgb(205, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 144, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 144, 255); box-shadow:4px 4px 4px 4px rgb(205, 144, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1457, 0.2758, 0.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 144, 255) }
```

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

```
.background{ background-color: rgb(205,  
144, 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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