

Converting Colors

$Y_{xy}(46.1997, 0.2788, 0.2507)$

Have a look what the booklet for
Yxy(46.1997, 0.2788, 0.2507)
contains.

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Color

Yxy(46.3166, 0.2790, 0.2517)

Conversions

Conversions Part 1

Format	Color
Hex	BFABED
RGB	191, 171, 237
RGB Percent	75%, 67%, 93%
CMY	0.2509, 0.3294, 0.0706
CMYK	0.19, 0.28, 0.00, 0.07
HSL	258°, 65%, 80%
HSV	258°, 28%, 93%
XYZ	51.3402, 46.3166, 86.3583
YIQ	184.5040, -9.2660, 24.7660

Conversions

Conversions Part 2

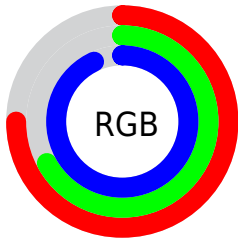
Format	Color
R _Y B	191, 171, 237
Decimal	12561389
CIE _{Lab}	73.75, 20.35, -30.39
CIE _{LCh}	74, 36.571, 303.804
Yxy	46.3166, 0.2790, 0.2517
Android (android.graphics.Color)	4290751469 (0xFFBFABED)
YUV	184.5040, 25.8805, 5.6970
Hunter-Lab	68.0563, 15.5580, -27.5951

Details

The Yxy color $46.3166, 0.2790, 0.2517$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $78.2589, 0.3403, 0.4021$, and the grayscale version is $48.0866, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.5692, 0.3093, 0.3005$, and $21.8482, 0.2695, 0.2332$ is the 20% darker color. If you saturate the color by 10%, you get $36.1323, 0.2638, 0.2199$, and if you desaturate by 10%, it is $58.3511, 0.2926, 0.2817$.

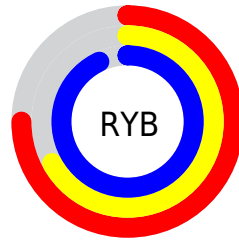
Distribution



Red (75%)

Green (67%)

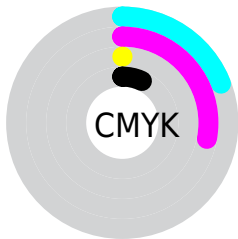
Blue (93%)



Red (75%)

Yellow (67%)

Blue (93%)

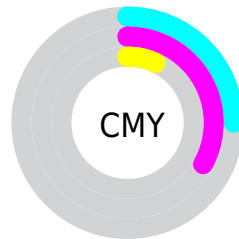


Cyan (19%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (25%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3166, 0.2790, 0.2517 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 46.3166, 0.2790, 0.2517 by changing the saturation by 10% instead.

46.3166, 0.2790,
0.2517

46.3166, 0.2790,
0.2517

372.0800, 0.2962,
0.2883

32.4957, 0.2747,
0.2432

84.6926, 0.2853,
0.2645

21.7404, 0.2692,
0.2327

110.0166, 0.2876,
0.2695

13.6663, 0.2619,
0.2194

139.9436, 0.2896,
0.2737

7.8889, 0.2519,
0.2019

174.8583, 0.2913,
0.2774

4.0240, 0.2374,
0.1784

215.1448, 0.2927,
0.2806

1.6870, 0.2150,
0.1454

261.1877, 0.2940,

0.4152, 0.1803,

0.2835

0.0839

313.3713, 0.2952,
0.2860

0.0000, 0.0000,
0.0000

46.3166, 0.2790,
0.2517

46.3166, 0.2790,
0.2517

36.1323, 0.2638,
0.2199

58.3511, 0.2926,
0.2817

27.6988, 0.2473,
0.1874

72.3171, 0.3045,
0.3092

20.9157, 0.2300,
0.1557

88.2980, 0.3148,
0.3341

15.6700, 0.2128,
0.1266

98.8947, 0.3232,
0.3464

11.8339, 0.1967,
0.1022

■ 9.2577, 0.1826,
0.0840

■ 7.7404, 0.1714,
0.0726

■ 7.4898, 0.1693,
0.0706

Harmonies

Analogous

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



46.3166, 0.2407, 0.2485



46.3166, 0.2790, 0.2517



46.3166, 0.3298, 0.2718

Triad

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



46.3166, 0.2790, 0.2517



46.3166, 0.4121, 0.3836



46.3166, 0.2480, 0.3513

Complementary

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



46.3166, 0.2790, 0.2517



78.2589, 0.3403, 0.4021

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.



46.3166, 0.2902, 0.3983



46.3166, 0.2790, 0.2517



46.3166, 0.3856, 0.4135

Square

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



46.3166, 0.2790, 0.2517



46.3166, 0.4104, 0.3441



46.3166, 0.3406, 0.4213



46.3166, 0.2239, 0.3011

Rectangle

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



46.3166, 0.2790, 0.2517



46.3166, 0.3640, 0.2925



46.3166, 0.3406, 0.4213



46.3166, 0.2604, 0.3684

Sweetspot

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



46.3185, 0.2790, 0.2517



85.0719, 0.3043, 0.3088



64.5020, 0.2699, 0.3057



17.6450, 0.3026, 0.3048



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.



46.3185, 0.2790, 0.2517



48.0772, 0.2712, 0.2351



51.0543, 0.3051, 0.2574



14.7705, 0.3027, 0.3050



4.1490, 0.1707, 0.0714



0.3745, 0.1855, 0.0795

Inverse Universe

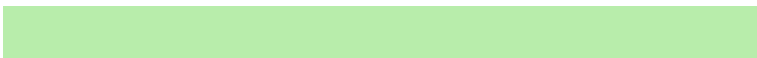
The Inverse Universe completely reimagines the original color for something new.



52.1374, 0.3324, 0.2795



56.0121, 0.3371, 0.2698



73.7263, 0.3176, 0.4075



15.2314, 0.3184, 0.3127



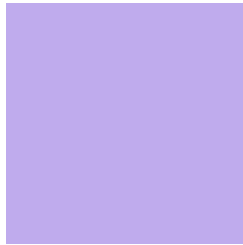
11.3388, 0.4158, 0.2064



0.9073, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 46.3166, 0.2790, 0.2517 looks on a white background.

Color Contrast Check

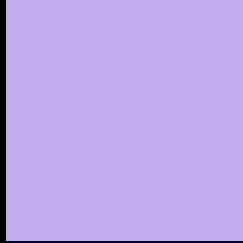
Large Text (above 18pt) WCAG AA × Fail

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 46.3166, 0.2790, 0.2517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

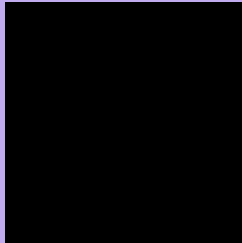
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3166, 0.2790, 0.2517

Background



This preview shows how black text looks on a background with the Yxy color 46.3166, 0.2790, 0.2517.



This preview shows how white text looks on a background with the Yxy color 46.3166, 0.2790, 0.2517.

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

46.3166, 0.2790, 0.2517

Protanopia

46.4978, 0.2560, 0.2511

Deuteranopia

46.4430, 0.2648, 0.2582



Tritanopia

46.1577, 0.3051, 0.3110

Trichromacy



Original Color

46.3166, 0.2790, 0.2517

Protanomaly

46.2858, 0.2636, 0.2509

Deuteranomaly

46.1811, 0.2702, 0.2556

Tritanomaly

46.0932, 0.2953, 0.2879

Monochromacy



Original Color

46.3166, 0.2790, 0.2517

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.5669, 0.2999, 0.2990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3166, 0.2790, 0.2517 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(191, 171, 237)` looks like.

```
.text, #text, p{  
    color:rgb(191, 171, 237)  
}
```

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(191, 171, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 171, 237) }
```

Border

The CSS property to change the border of an element to Yxy 46.3166, 0.2790, 0.2517 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(191, 171, 237) }
```

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

```
.border{ border-color:rgb(191, 171, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 171, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 171, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 171, 237);  
box-shadow:4px 4px 4px 4px rgb(191, 171,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3166, 0.2790, 0.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 171, 237) }
```

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

```
.background{ background-color: rgb(191,  
171, 237) }
```

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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