

Converting Colors

$Y_{xy}(31.9972, 0.2816, 0.2276)$

Have a look what the booklet for
Yxy(31.9972, 0.2816, 0.2276)
contains.

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Color

Yxy(32.0312, 0.2813, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	B288D8
RGB	178, 136, 216
RGB Percent	70%, 53%, 85%
CMY	0.3017, 0.4668, 0.1529
CMYK	0.18, 0.37, 0.00, 0.15
HSL	272°, 51%, 69%
HSV	272°, 37%, 85%
XYZ	39.5713, 32.0312, 69.0704
YIQ	157.6780, -0.6480, 33.7840

Conversions

Conversions Part 2

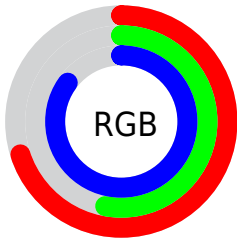
Format	Color
R _Y B	178, 136, 216
Decimal	11700440
CIE Lab	63.37, 31.24, -35.00
CIE LCh	63, 46.920, 311.752
Yxy	32.0312, 0.2813, 0.2277
Android (android.graphics.Color)	4289890520 (0xFFB288D8)
YUV	157.6780, 28.7527, 17.8224
Hunter-Lab	56.5961, 25.7617, -32.7407

Details

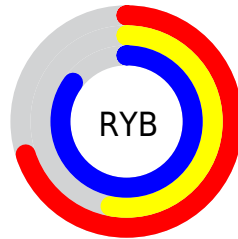
The Yxy color **32.0312, 0.2813, 0.2277** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.8840, 0.3348, 0.4317**, and the grayscale version is **33.9090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7091, 0.3007, 0.2623**, and **13.3553, 0.2698, 0.2002** is the 20% darker color. If you saturate the color by 10%, you get **25.3833, 0.2701, 0.1983**, and if you desaturate by 10%, it is **39.9982, 0.2914, 0.2569**.

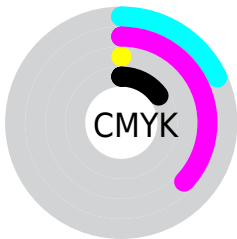
Distribution



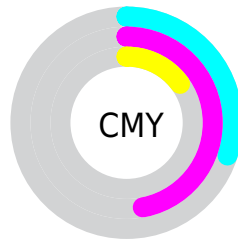
- Red (70%)
- Green (53%)
- Blue (85%)



- Red (70%)
- Yellow (53%)
- Blue (85%)



- Cyan (18%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)




- Cyan (30%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0312, 0.2813, 0.2277 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 32.0312, 0.2813, 0.2277 by changing the saturation by 10% instead.

 32.0312, 0.2813,
0.2277


 32.0312, 0.2813,
0.2277


311.2614, 0.2988,
0.2772


 21.3853, 0.2764,
0.2159


 62.8600, 0.2880,
0.2453

 13.4060, 0.2700,
0.2010


 83.8117, 0.2905,
0.2521

 7.7087, 0.2609,
0.1820


 108.9675, 0.2925,
0.2578

 3.9091, 0.2478,
0.1570

138.7118, 0.2941,
0.2628

 1.6229, 0.2272,
0.1233

173.4289, 0.2956,
0.2671

 0.3729, 0.1954,
0.0635

213.5033, 0.2968,

 0.0000, 0.0344,

0.2709

0.0000

259.3193, 0.2979,
0.2742

0.0000, 0.0000,
0.0000

32.0312, 0.2813,
0.2277

32.0312, 0.2813,
0.2277

25.3833, 0.2701,
0.1983

39.9982, 0.2914,
0.2569

19.9744, 0.2579,
0.1700

49.3500, 0.3003,
0.2851

15.7217, 0.2453,
0.1441


60.1529, 0.3080,
0.3116


12.5303, 0.2327,
0.1222


72.4674, 0.3145,
0.3360

10.2891, 0.2206,
0.1054

86.3505, 0.3200,
0.3582

 8.8526, 0.2096,
0.0939

 94.9184, 0.3257,
0.3683

 8.5095, 0.2065,
0.0911

 96.7568, 0.3323,
0.3675

 97.7385, 0.3357,
0.3671

Harmonies

Analogous

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



32.0312, 0.2231, 0.2161



32.0312, 0.2813, 0.2277



32.0312, 0.3564, 0.2597

Triad

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



32.0312, 0.2813, 0.2277



32.0312, 0.4470, 0.4146



32.0312, 0.2091, 0.3390

Complementary

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



32.0312, 0.2813, 0.2277



59.8840, 0.3348, 0.4317

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.



32.0312, 0.2606, 0.4167



32.0312, 0.2813, 0.2277



32.0312, 0.3982, 0.4562

Square

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



32.0312, 0.2813, 0.2277



32.0312, 0.4590, 0.3606



32.0312, 0.3299, 0.4626



32.0312, 0.1856, 0.2699

Rectangle

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



32.0312, 0.2813, 0.2277



32.0312, 0.4048, 0.2897



32.0312, 0.3299, 0.4626



32.0312, 0.2234, 0.3657

Sweetspot

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



32.0325, 0.2813, 0.2277



80.9554, 0.3050, 0.3011



40.7180, 0.2531, 0.2726



16.8654, 0.3040, 0.2975



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.



32.0325, 0.2813, 0.2277



39.3348, 0.2731, 0.2060



37.0915, 0.3182, 0.2392



12.3268, 0.3063, 0.3055



5.1009, 0.2080, 0.0920



0.3568, 0.2264, 0.1021

Inverse Universe

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



35.2546, 0.3596, 0.2833



44.8301, 0.3731, 0.2742



56.1649, 0.3067, 0.4389



12.5179, 0.3218, 0.3180



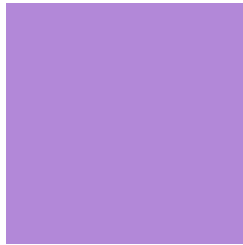
9.2351, 0.5056, 0.2559



0.5737, 0.4654, 0.2337

Previews

White Background



This preview shows how the Yxy color 32.0312, 0.2813, 0.2277 looks on a white background.

Color Contrast Check

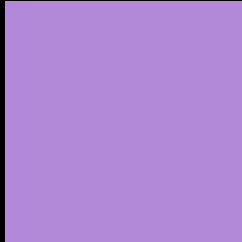
Large Text (above 18pt) WCAG AA × Fail

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 32.0312, 0.2813, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

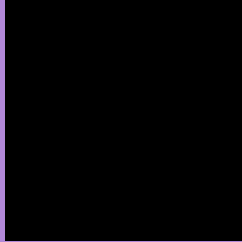
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0312, 0.2813, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 32.0312, 0.2813, 0.2277.



This preview shows how white text looks on a background with the Yxy color 32.0312, 0.2813, 0.2277.

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

32.0312, 0.2813, 0.2277

Protanopia

32.2467, 0.2350, 0.2241

Deuteranopia

32.3289, 0.2489, 0.2434



Tritanopia

32.1180, 0.3238, 0.3131

Trichromacy



Original Color

32.0312, 0.2813, 0.2277

Protanomaly

32.0506, 0.2498, 0.2250

Deuteranomaly

31.8968, 0.2596, 0.2366

Tritanomaly

32.0125, 0.3070, 0.2790

Monochromacy



Original Color

32.0312, 0.2813, 0.2277

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.0667, 0.3010, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0312, 0.2813, 0.2277 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(178, 136, 216)` looks like.

```
.text, #text, p{  
    color:rgb(178, 136, 216)  
}
```

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(178, 136, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 136, 216) }
```

Border

The CSS property to change the border of an element to Yxy 32.0312, 0.2813, 0.2277 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(178, 136, 216) }
```

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

```
.border{ border-color:rgb(178, 136, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 136, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 136, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 136, 216);  
box-shadow:4px 4px 4px 4px rgb(178, 136,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0312, 0.2813, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 136, 216) }
```

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

```
.background{ background-color: rgb(178,  
136, 216) }
```

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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