

Converting Colors

$Y_{xy}(27.9683, 0.3474, 0.2246)$

Have a look what the booklet for
Yxy(27.9683, 0.3474, 0.2246)
contains.

Yxy(28.0247, 0.3472, 0.2242)	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(28.0247, 0.3472, 0.2242)

Conversions

Conversions Part 1

Format	Color
Hex	DB64C1
RGB	219, 100, 193
RGB Percent	86%, 39%, 76%
CMY	0.1411, 0.6079, 0.2431
CMYK	0.00, 0.54, 0.12, 0.14
HSL	313°, 62%, 63%
HSV	313°, 54%, 86%
XYZ	43.3995, 28.0247, 53.5744
YIQ	146.1830, 41.0710, 54.1510

Conversions

Conversions Part 2

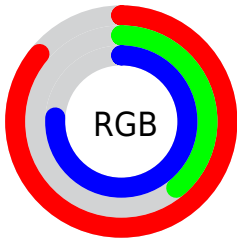
Format	Color
R_{YB}	219, 100, 193
Decimal	14378177
CIE _{Lab}	59.91, 57.82, -27.01
CIE _{LCh}	60, 63.818, 334.959
Yxy	28.0247, 0.3472, 0.2242
Android (android.graphics.Color)	4292568257 (0xFFDB64C1)
YUV	146.1830, 23.0808, 63.8605
Hunter-Lab	52.9384, 53.6944, -22.9455

Details

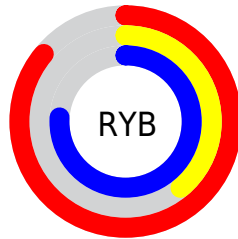
The Yxy color **28.0247, 0.3472, 0.2242** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.8866, 0.2917, 0.4661**, and the grayscale version is **28.7145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6048, 0.3213, 0.2362**, and **11.1689, 0.3554, 0.1963** is the 20% darker color. If you saturate the color by 10%, you get **24.1645, 0.3557, 0.2094**, and if you desaturate by 10%, it is **33.0234, 0.3392, 0.2418**.

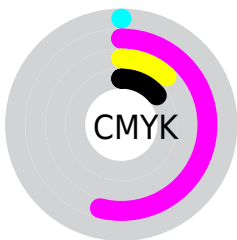
Distribution



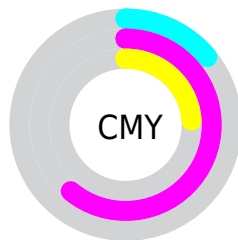
- Red (86%)
- Green (39%)
- Blue (76%)



- Red (86%)
- Yellow (39%)
- Blue (76%)



- Cyan (0%)
- Magenta (54%)
- Yellow (12%)
- Black (14%)




- Cyan (14%)
- Magenta (61%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0247, 0.3472, 0.2242 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 28.0247, 0.3472, 0.2242 by changing the saturation by 10% instead.


 28.0247, 0.3472,
0.2242


 28.0247, 0.3472,
0.2242


292.5849, 0.3309,
0.2757


 18.3443, 0.3509,
0.2118


 56.5239, 0.3415,
0.2426

 11.1974, 0.3555,
0.1962


 76.1114, 0.3393,
0.2496

 6.1998, 0.3612,
0.1761


 99.7701, 0.3374,
0.2556

 2.9669, 0.3682,
0.1495

 127.8844, 0.3357,
0.2607

 1.1145, 0.3767,
0.1134

160.8386, 0.3343,
0.2652

 0.0000, 0.4115,
0.0000

199.0172, 0.3330,

 0.0000, 0.3423,

0.2691


0.0000


242.8045, 0.3319,
0.2726


 0.0000, 0.0000,
0.0000

 28.0247, 0.3472,
0.2242


 28.0247, 0.3472,
0.2242

 24.1645, 0.3557,
0.2094


 33.0234, 0.3392,
0.2418


 21.3461, 0.3644,
0.1983


 39.2392, 0.3319,
0.2611


 19.4633, 0.3731,
0.1916

 46.7483, 0.3254,
0.2811

 18.3852, 0.3815,
0.1897

 55.6194, 0.3196,
0.3012

 18.0083, 0.3861,
0.1901

 65.9165, 0.3146,
0.3208

■ 77.6995, 0.3104,
0.3394

■ 91.0248, 0.3068,
0.3569

■ 92.3688, 0.3041,
0.3535

■ 92.6434, 0.3014,
0.3485

Harmonies

Analogous

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



28.0247, 0.2468, 0.1890



28.0247, 0.3472, 0.2242



28.0247, 0.4528, 0.2796

Triad

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



28.0247, 0.3472, 0.2242



28.0247, 0.4403, 0.4875



28.0247, 0.1466, 0.2602

Complementary

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



28.0247, 0.3472, 0.2242



54.8866, 0.2917, 0.4661

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.



28.0247, 0.1821, 0.3664



28.0247, 0.3472, 0.2242



28.0247, 0.3503, 0.5258

Square

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



28.0247, 0.3472, 0.2242



28.0247, 0.5034, 0.4175



28.0247, 0.2557, 0.4820



28.0247, 0.1469, 0.2001

Rectangle

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



28.0247, 0.3472, 0.2242



28.0247, 0.5006, 0.3231



28.0247, 0.2557, 0.4820



28.0247, 0.1542, 0.2908

Sweetspot

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



28.0260, 0.3472, 0.2242



76.1133, 0.3206, 0.2976



18.6476, 0.2277, 0.1638



15.7160, 0.3218, 0.2935



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.



28.0260, 0.3472, 0.2242



33.5489, 0.3567, 0.2078



25.8891, 0.4258, 0.2896



13.2236, 0.3171, 0.3109



10.6933, 0.3850, 0.1894



0.7051, 0.3725, 0.1825

Inverse Universe

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



28.0260, 0.3472, 0.2242



33.5489, 0.3567, 0.2078



56.8952, 0.2604, 0.3762



13.2236, 0.3171, 0.3109



10.6933, 0.3850, 0.1894



0.7051, 0.3725, 0.1825

Previews

White Background



This preview shows how the Yxy color 28.0247, 0.3472, 0.2242 looks on a white background.

Color Contrast Check

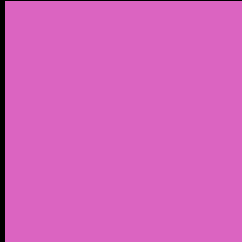
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0247, 0.3472, 0.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

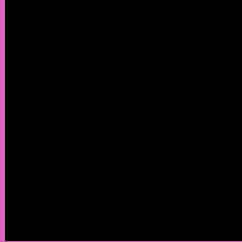
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0247, 0.3472, 0.2242

Background



This preview shows how black text looks on a background with the Yxy color 28.0247, 0.3472, 0.2242.



This preview shows how white text looks on a background with the Yxy color 28.0247, 0.3472, 0.2242.

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

28.0247, 0.3472, 0.2242

Protanopia

28.4144, 0.2254, 0.2111

Deuteranopia

28.2095, 0.2685, 0.2626



Tritanopia

27.9685, 0.4220, 0.3181

Trichromacy



Original Color

28.0247, 0.3472, 0.2242



Protanomaly

26.7092, 0.2584, 0.2112



Deuteranomaly

27.0684, 0.2936, 0.2429



Tritanomaly

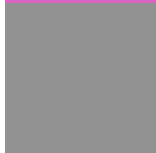
27.8009, 0.3947, 0.2806

Monochromacy



Original Color

28.0247, 0.3472, 0.2242



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.2291, 0.3262, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0247, 0.3472, 0.2242 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(219, 100, 193)` looks like.

```
.text, #text, p{  
    color:rgb(219, 100, 193)  
}
```

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(219, 100, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 100, 193) }
```

Border

The CSS property to change the border of an element to Yxy 28.0247, 0.3472, 0.2242 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(219, 100, 193) }
```

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

```
.border{ border-color:rgb(219, 100, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 100, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 100, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 100, 193);  
box-shadow:4px 4px 4px 4px rgb(219, 100,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0247, 0.3472, 0.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 100, 193) }
```

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

```
.background{ background-color: rgb(219,  
100, 193) }
```

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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