

Converting Colors

$Y_{xy}(32.1404, 0.3208, 0.2269)$

Have a look what the booklet for
Yxy(32.1404, 0.3208, 0.2269)
contains.

Yxy(32.0334, 0.3206, 0.2263)	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(32.0334, 0.3206, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	D478D1
RGB	212, 120, 209
RGB Percent	83%, 47%, 82%
CMY	0.1686, 0.5294, 0.1802
CMYK	0.00, 0.43, 0.01, 0.17
HSL	302°, 52%, 65%
HSV	302°, 43%, 83%
XYZ	45.3818, 32.0334, 64.1376
YIQ	157.6540, 26.2630, 47.1830

Conversions

Conversions Part 2

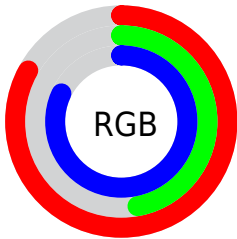
Format	Color
R _Y B	212, 120, 209
Decimal	13924561
CIE Lab	63.37, 48.68, -30.81
CIE LCh	63, 57.612, 327.673
Yxy	32.0334, 0.3206, 0.2263
Android (android.graphics.Color)	4292114641 (0xFFD478D1)
YUV	157.6540, 25.3136, 47.6614
Hunter-Lab	56.5981, 44.0795, -27.5695

Details

The Yxy color **32.0334, 0.3206, 0.2263** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **52.5130, 0.3047, 0.4590**, and the grayscale version is **33.9023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **13.3160, 0.3203, 0.1997** is the 20% darker color. If you saturate the color by 10%, you get **27.4541, 0.3225, 0.2058**, and if you desaturate by 10%, it is **37.7445, 0.3187, 0.2490**.

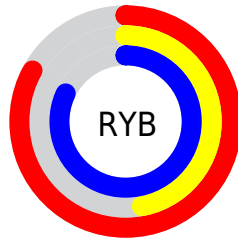
Distribution



Red (83%)

Green (47%)

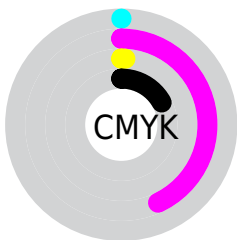
Blue (82%)



Red (83%)

Yellow (47%)

Blue (82%)

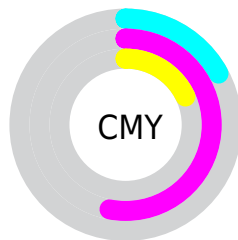


Cyan (0%)

Magenta (43%)

Yellow (1%)

Black (17%)



Cyan (17%)


Magenta (53%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.0334, 0.3206, 0.2263 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 32.0334, 0.3206, 0.2263 by changing the saturation by 10% instead.


 32.0334, 0.3206,
0.2263


 32.0334, 0.3206,
0.2263


311.2714, 0.3183,
0.2759

 21.3870, 0.3207,
0.2146


 62.8634, 0.3201,
0.2438

 13.4072, 0.3205,
0.2000


 83.8159, 0.3198,
0.2506

 7.7095, 0.3198,
0.1814


 108.9725, 0.3195,
0.2563

 3.9097, 0.3179,
0.1569

138.7176, 0.3193,
0.2613

 1.6232, 0.3133,
0.1242

173.4357, 0.3190,
0.2656

 0.3731, 0.3064,
0.0651

213.5110, 0.3187,

 0.0000, 0.2582,

0.2695


0.0000

259.3282, 0.3185,
0.2729


 0.0000, 0.0000,
0.0000


 32.0334, 0.3206,
0.2263


 32.0334, 0.3206,
0.2263


 27.4541, 0.3225,
0.2058

 37.7445, 0.3187,
0.2490


 23.9270, 0.3243,
0.1884


 44.6516, 0.3168,
0.2729


 21.3689, 0.3259,
0.1748

 52.8191, 0.3150,
0.2972

 19.6825, 0.3273,
0.1655

 62.3056, 0.3133,
0.3211

 18.7498, 0.3285,
0.1604

 73.1660, 0.3117,
0.3440

■ 18.4142, 0.3292,
0.1587

■ 85.4523, 0.3103,
0.3657

■ 90.3646, 0.3095,
0.3728

■ 90.3997, 0.3092,
0.3721

■ 90.4348, 0.3088,
0.3713

Harmonies

Analogous

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



32.0334, 0.2379, 0.1997



32.0334, 0.3206, 0.2263



32.0334, 0.4139, 0.2731

Triad

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



32.0334, 0.3206, 0.2263



32.0334, 0.4446, 0.4583



32.0334, 0.1699, 0.2902

Complementary

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



32.0334, 0.3206, 0.2263



52.5130, 0.3047, 0.4590

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.



32.0334, 0.2119, 0.3875



32.0334, 0.3206, 0.2263



32.0334, 0.3698, 0.4968

Square

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



32.0334, 0.3206, 0.2263



32.0334, 0.4881, 0.3965



32.0334, 0.2847, 0.4748



32.0334, 0.1617, 0.2258

Rectangle

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



32.0334, 0.3206, 0.2263



32.0334, 0.4630, 0.3117



32.0334, 0.2847, 0.4748



32.0334, 0.1800, 0.3201

Sweetspot

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



32.0348, 0.3206, 0.2263



80.5742, 0.3149, 0.2978



22.2881, 0.2329, 0.1954



16.6149, 0.3153, 0.2924



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.



32.0348, 0.3206, 0.2263



42.2249, 0.3223, 0.2074



30.1267, 0.3700, 0.2745



12.6255, 0.3143, 0.3068



11.3699, 0.3291, 0.1587



0.6880, 0.3276, 0.1578

Inverse Universe

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



32.0348, 0.3206, 0.2263



42.2249, 0.3223, 0.2074



53.8937, 0.2788, 0.3922



12.6255, 0.3143, 0.3068



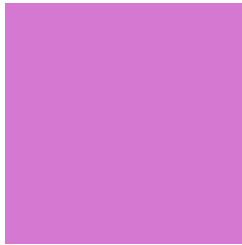
11.3699, 0.3291, 0.1587



0.6880, 0.3276, 0.1578

Previews

White Background



This preview shows how the Yxy color 32.0334, 0.3206, 0.2263 looks on a white background.

Color Contrast Check

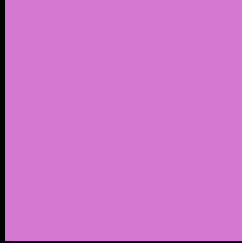
Large Text (above 18pt) WCAG AA × Fail

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 32.0334, 0.3206, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

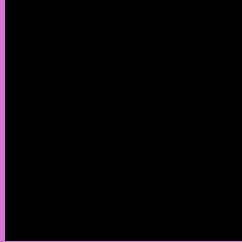
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0334, 0.3206, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 32.0334, 0.3206, 0.2263.



This preview shows how white text looks on a background with the Yxy color 32.0334, 0.3206, 0.2263.

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

32.0334, 0.3206, 0.2263

Protanopia

32.4337, 0.2306, 0.2175

Deuteranopia

32.1958, 0.2616, 0.2552



Tritanopia

31.9012, 0.3813, 0.3162

Trichromacy



Original Color

32.0334, 0.3206, 0.2263



Protanomaly

31.3605, 0.2568, 0.2184



Deuteranomaly

31.3794, 0.2803, 0.2421



Tritanomaly

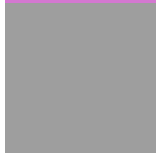
31.7931, 0.3582, 0.2802

Monochromacy



Original Color

32.0334, 0.3206, 0.2263



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.5858, 0.3159, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0334, 0.3206, 0.2263 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(212, 120, 209)` looks like.

```
.text, #text, p{  
    color:rgb(212, 120, 209)  
}
```

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(212, 120, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 120, 209) }
```

Border

The CSS property to change the border of an element to Yxy 32.0334, 0.3206, 0.2263 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(212, 120, 209) }
```

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

```
.border{ border-color:rgb(212, 120, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 120, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 120, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 120, 209);  
box-shadow:4px 4px 4px 4px rgb(212, 120,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0334, 0.3206, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 120, 209) }
```

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

```
.background{ background-color: rgb(212,  
120, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor