

Converting Colors

$Y_{xy}(32.7664, 0.3183, 0.2317)$

Have a look what the booklet for
Yxy(32.7664, 0.3183, 0.2317)
contains.

Yxy(32.7766, 0.3183, 0.2318)	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(32.7766, 0.3183, 0.2318)

Conversions

Conversions Part 1

Format	Color
Hex	D17DD0
RGB	209, 125, 208
RGB Percent	82%, 49%, 82%
CMY	0.1805, 0.5097, 0.1844
CMYK	0.00, 0.40, 0.00, 0.18
HSL	301°, 48%, 65%
HSV	301°, 40%, 82%
XYZ	45.0077, 32.7766, 63.6160
YIQ	159.5780, 23.4210, 43.6210

Conversions

Conversions Part 2

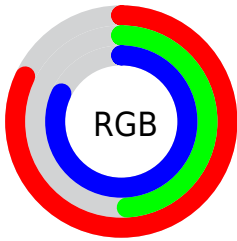
Format	Color
R _{YB}	209, 125, 208
Decimal	13729232
CIE Lab	63.98, 44.98, -29.30
CIE LCh	64, 53.683, 326.918
Yxy	32.7766, 0.3183, 0.2318
Android (android.graphics.Color)	4291919312 (0xFFD17DD0)
YUV	159.5780, 23.8720, 43.3431
Hunter-Lab	57.2509, 40.1387, -25.8063

Details

The Yxy color **32.7766, 0.3183, 0.2318** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.4615, 0.3064, 0.4502**, and the grayscale version is **34.8313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **13.8373, 0.3184, 0.2072** is the 20% darker color. If you saturate the color by 10%, you get **28.0187, 0.3196, 0.2102**, and if you desaturate by 10%, it is **38.6506, 0.3169, 0.2553**.

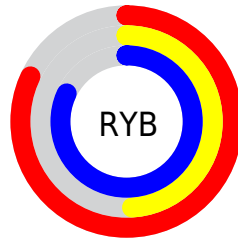
Distribution



Red (82%)

Green (49%)

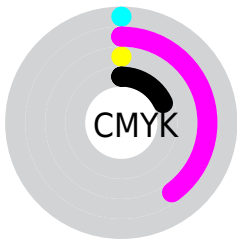
Blue (82%)



Red (82%)

Yellow (49%)

Blue (82%)

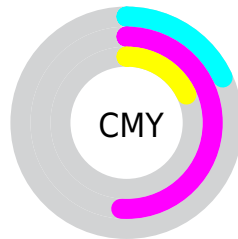


Cyan (0%)

Magenta (40%)

Yellow (0%)

Black (18%)



Cyan (18%)

Magenta (51%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7766, 0.3183, 0.2318 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 32.7766, 0.3183, 0.2318 by changing the saturation by 10% instead.


 32.7766, 0.3183,
0.2318


 32.7766, 0.3183,
0.2318


314.6419, 0.3170,
0.2789


 21.9554, 0.3182,
0.2206


 64.0266, 0.3181,
0.2485

 13.8241, 0.3178,
0.2066


 85.2241, 0.3180,
0.2549

 7.9984, 0.3168,
0.1887


 110.6492, 0.3178,
0.2604

 4.0939, 0.3146,
0.1651

140.6863, 0.3176,
0.2651

 1.7263, 0.3098,
0.1330

175.7197, 0.3175,
0.2692

 0.4406, 0.3016,
0.0776

216.1338, 0.3173,

 0.0000, 0.2533,


0.2728


0.0000

262.3131, 0.3171,
0.2760


 0.0000, 0.0000,
0.0000


 32.7766, 0.3183,
0.2318

 32.7766, 0.3183,
0.2318

 28.0187, 0.3196,
0.2102

 38.6506, 0.3169,
0.2553

 24.3021, 0.3209,
0.1915


 45.7006, 0.3155,
0.2798


 21.5499, 0.3219,
0.1764


 53.9874, 0.3141,
0.3045

 19.6725, 0.3228,
0.1656

 63.5663, 0.3127,
0.3286

 18.5640, 0.3235,
0.1589


 74.4895, 0.3115,
0.3516

 18.0329, 0.3239,
0.1558

 86.8060, 0.3103,
0.3733

 89.7127, 0.3100,
0.3776

 89.7251, 0.3098,
0.3773

 89.7376, 0.3097,
0.3770

Harmonies

Analogous

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



32.7766, 0.2415, 0.2071



32.7766, 0.3183, 0.2318



32.7766, 0.4045, 0.2759

Triad

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



32.7766, 0.3183, 0.2318



32.7766, 0.4383, 0.4498



32.7766, 0.1796, 0.2960

Complementary

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



32.7766, 0.3183, 0.2318



51.4615, 0.3064, 0.4502

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.



32.7766, 0.2207, 0.3855



32.7766, 0.3183, 0.2318



32.7766, 0.3694, 0.4840

Square

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



32.7766, 0.3183, 0.2318



32.7766, 0.4766, 0.3926



32.7766, 0.2897, 0.4637



32.7766, 0.1706, 0.2343

Rectangle

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



32.7766, 0.3183, 0.2318



32.7766, 0.4504, 0.3124



32.7766, 0.2897, 0.4637



32.7766, 0.1897, 0.3238

Sweetspot

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



32.7781, 0.3183, 0.2318



81.9830, 0.3143, 0.2997



23.6360, 0.2387, 0.2067



17.1668, 0.3145, 0.2964



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.



32.7781, 0.3183, 0.2318



45.0519, 0.3194, 0.2136



31.0150, 0.3624, 0.2769



12.0065, 0.3140, 0.3064



11.1216, 0.3239, 0.1558



0.6227, 0.3233, 0.1555

Inverse Universe

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



32.7781, 0.3183, 0.2318



45.0519, 0.3194, 0.2136



52.7447, 0.2817, 0.3887



12.0065, 0.3140, 0.3064



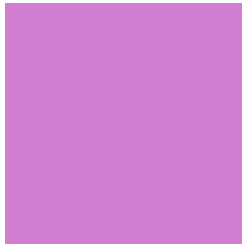
11.1216, 0.3239, 0.1558



0.6227, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 32.7766, 0.3183, 0.2318 looks on a white background.

Color Contrast Check

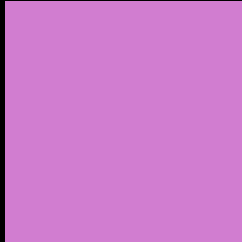
Large Text (above 18pt) WCAG AA × Fail

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 32.7766, 0.3183, 0.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

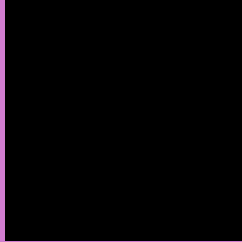
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7766, 0.3183, 0.2318

Background



This preview shows how black text looks on a background with the Yxy color 32.7766, 0.3183, 0.2318.



This preview shows how white text looks on a background with the Yxy color 32.7766, 0.3183, 0.2318.

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

32.7766, 0.3183, 0.2318

Protanopia

33.2415, 0.2364, 0.2253

Deuteranopia

33.1140, 0.2643, 0.2586



Tritanopia

32.7326, 0.3720, 0.3161

Trichromacy



Original Color

32.7766, 0.3183, 0.2318



Protanomaly

32.2898, 0.2609, 0.2259



Deuteranomaly

32.3775, 0.2815, 0.2464



Tritanomaly

32.5147, 0.3519, 0.2822

Monochromacy



Original Color

32.7766, 0.3183, 0.2318



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.5067, 0.3156, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7766, 0.3183, 0.2318 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(209, 125, 208)` looks like.

```
.text, #text, p{  
    color:rgb(209, 125, 208)  
}
```

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(209, 125, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 125, 208) }
```

Border

The CSS property to change the border of an element to Yxy 32.7766, 0.3183, 0.2318 is called "border". The border property can be set on classes, ids or directly on the HTML element.

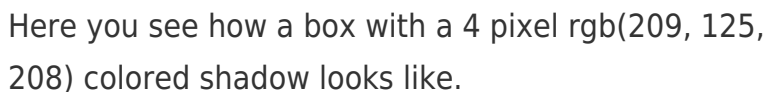
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 125, 208) }
```

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

```
.border{ border-color:rgb(209, 125, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 125, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 125, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 125, 208); box-shadow:4px 4px 4px 4px rgb(209, 125, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7766, 0.3183, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 125, 208) }
```

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

```
.background{ background-color: rgb(209,  
125, 208) }
```

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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