

Converting Colors

$Y_{xy}(32.8219, 0.3213, 0.2464)$

Have a look what the booklet for
Yxy(32.8219, 0.3213, 0.2464)
contains.

Yxy(32.7390, 0.3218, 0.2461)	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(32.7390, 0.3218, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	CB82C6
RGB	203, 130, 198
RGB Percent	80%, 51%, 78%
CMY	0.2038, 0.4902, 0.2236
CMYK	0.00, 0.36, 0.02, 0.20
HSL	304°, 41%, 65%
HSV	304°, 36%, 80%
XYZ	42.8095, 32.7390, 57.4828
YIQ	159.5790, 21.6800, 36.6240

Conversions

Conversions Part 2

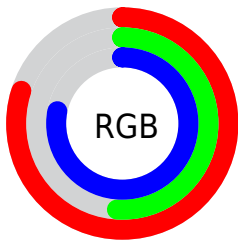
Format	Color
R _Y B	203, 130, 198
Decimal	13337286
CIE Lab	63.95, 38.66, -23.80
CIE LCh	64, 45.399, 328.384
Yxy	32.7390, 0.3218, 0.2461
Android (android.graphics.Color)	4291527366 (0xFFCB82C6)
YUV	159.5790, 18.9416, 38.0802
Hunter-Lab	57.2180, 33.4189, -19.5118

Details

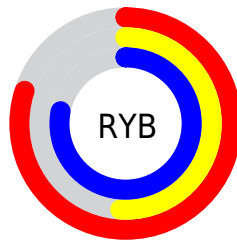
The Yxy color **32.7390, 0.3218, 0.2461** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.2220, 0.3045, 0.4289**, and the grayscale version is **34.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **13.9015, 0.3235, 0.2244** is the 20% darker color. If you saturate the color by 10%, you get **27.7979, 0.3247, 0.2245**, and if you desaturate by 10%, it is **38.7492, 0.3190, 0.2690**.

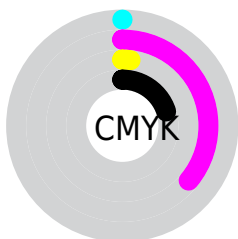
Distribution



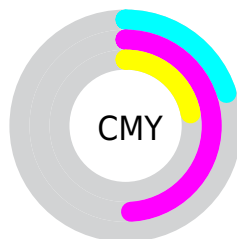
- Red (80%)
- Green (51%)
- Blue (78%)



- Red (80%)
- Yellow (51%)
- Blue (78%)



- Cyan (0%)
- Magenta (36%)
- Yellow (2%)
- Black (20%)





- Cyan (20%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7390, 0.3218, 0.2461 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 32.7390, 0.3218, 0.2461 by changing the saturation by 10% instead.


 32.7390, 0.3218,
0.2461


 32.7390, 0.3218,
0.2461


314.4720, 0.3182,
0.2869

 21.9266, 0.3224,
0.2362


 63.9678, 0.3207,
0.2607

 13.8030, 0.3230,
0.2236


 85.1530, 0.3202,
0.2663

 7.9837, 0.3234,
0.2073


 110.5646, 0.3198,
0.2710

 4.0846, 0.3233,
0.1853

140.5870, 0.3194,
0.2751

 1.7210, 0.3218,
0.1543

175.6045, 0.3191,
0.2786

 0.4372, 0.3207,
0.0952

216.0016, 0.3188,


 0.0000, 0.2473,

0.2817


0.0000

262.1626, 0.3185,
0.2845


 0.0000, 0.0000,
0.0000


 32.7390, 0.3218,
0.2461


 32.7390, 0.3218,
0.2461


 27.7979, 0.3247,
0.2245


 38.7492, 0.3190,
0.2690

 23.8584, 0.3277,
0.2051


 45.8820, 0.3164,
0.2924

 20.8526, 0.3306,
0.1890

 54.1924, 0.3140,
0.3156

 18.7019, 0.3334,
0.1767


 63.7307, 0.3119,
0.3378


 17.3150, 0.3360,
0.1688

 74.5442, 0.3100,
0.3590


 16.5778, 0.3383,
0.1651

 86.6777, 0.3083,
0.3787

 16.3759, 0.3391,
0.1642

 88.7651, 0.3074,
0.3803

 88.8343, 0.3066,
0.3787

 88.9041, 0.3059,
0.3771

Harmonies

Analogous

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



32.7390, 0.2548, 0.2234



32.7390, 0.3218, 0.2461



32.7390, 0.3939, 0.2860

Triad

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



32.7390, 0.3218, 0.2461



32.7390, 0.4197, 0.4367



32.7390, 0.1966, 0.2993

Complementary

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



32.7390, 0.3218, 0.2461



49.2220, 0.3045, 0.4289

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.



32.7390, 0.2321, 0.3730



32.7390, 0.3218, 0.2461



32.7390, 0.3603, 0.4602

Square

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



32.7390, 0.3218, 0.2461



32.7390, 0.4524, 0.3896



32.7390, 0.2915, 0.4383



32.7390, 0.1892, 0.2467

Rectangle

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



32.7390, 0.3218, 0.2461



32.7390, 0.4314, 0.3188



32.7390, 0.2915, 0.4383



32.7390, 0.2053, 0.3224

Sweetspot

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



32.7405, 0.3218, 0.2461



83.2668, 0.3152, 0.3037



25.4153, 0.2519, 0.2228



17.4186, 0.3156, 0.3005



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.



32.7405, 0.3218, 0.2461



48.3601, 0.3240, 0.2295



31.2596, 0.3609, 0.2885



11.3899, 0.3148, 0.3077



10.4234, 0.3389, 0.1640



0.5418, 0.3350, 0.1619

Inverse Universe

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



32.7405, 0.3218, 0.2461



48.3601, 0.3240, 0.2295



50.4267, 0.2815, 0.3740



11.3899, 0.3148, 0.3077



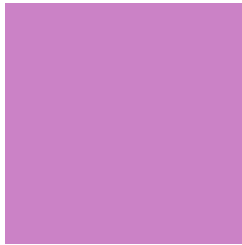
10.4234, 0.3389, 0.1640



0.5418, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 32.7390, 0.3218, 0.2461 looks on a white background.

Color Contrast Check

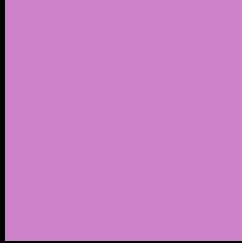
Large Text (above 18pt) WCAG AA × Fail

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 32.7390, 0.3218, 0.2461 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 32.7390, 0.3218, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 32.7390, 0.3218, 0.2461.



This preview shows how white text looks on a background with the Yxy color 32.7390, 0.3218, 0.2461.

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

32.7390, 0.3218, 0.2461

Protanopia

33.0071, 0.2501, 0.2430

Deuteranopia

32.9308, 0.2758, 0.2693



Tritanopia

32.8285, 0.3648, 0.3159

Trichromacy



Original Color

32.7390, 0.3218, 0.2461



Protanomaly

32.4313, 0.2723, 0.2431



Deuteranomaly

32.4327, 0.2917, 0.2599



Tritanomaly

32.5405, 0.3492, 0.2889

Monochromacy



Original Color

32.7390, 0.3218, 0.2461



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.7810, 0.3163, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7390, 0.3218, 0.2461 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(203, 130, 198)` looks like.

```
.text, #text, p{  
    color:rgb(203, 130, 198)  
}
```

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(203, 130, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 130, 198) }
```

Border

The CSS property to change the border of an element to Yxy 32.7390, 0.3218, 0.2461 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(203, 130, 198) }
```

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

```
.border{ border-color:rgb(203, 130, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 130, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 130, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 130, 198);  
box-shadow:4px 4px 4px 4px rgb(203, 130,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7390, 0.3218, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 130, 198) }
```

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

```
.background{ background-color: rgb(203,  
130, 198) }
```

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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