

Converting Colors

$Y_{xy}(32.1227, 0.4152, 0.3318)$

Have a look what the booklet for
Yxy(32.1227, 0.4152, 0.3318)
contains.

Yxy(32.1227, 0.4152, 0.3318)	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(32.1227, 0.4152, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	D88280
RGB	216, 130, 128
RGB Percent	85%, 51%, 50%
CMY	0.1529, 0.4902, 0.4981
CMYK	0.00, 0.40, 0.41, 0.15
HSL	1°, 53%, 67%
HSV	1°, 41%, 85%
XYZ	40.1969, 32.1227, 24.4938
YIQ	155.4860, 51.8980, 17.6100

Conversions

Conversions Part 2

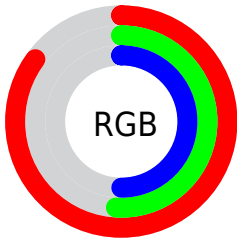
Format	Color
R _Y B	216, 130, 128
Decimal	14189184
CIE Lab	63.44, 32.88, 15.34
CIE LCh	63, 36.278, 25.009
Yxy	32.1227, 0.4152, 0.3318
Android (android.graphics.Color)	4292379264 (0xFFD88280)
YUV	155.4860, -13.5506, 53.0708
Hunter-Lab	56.6769, 27.4130, 14.0507

Details

The Yxy color **32.1227, 0.4152, 0.3318** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **57.6219, 0.2566, 0.3262**, and the grayscale version is **33.0493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8772, 0.3766, 0.3323**, and **13.4256, 0.4492, 0.3294** is the 20% darker color. If you saturate the color by 10%, you get **26.5650, 0.4555, 0.3324**, and if you desaturate by 10%, it is **38.9556, 0.3814, 0.3311**.

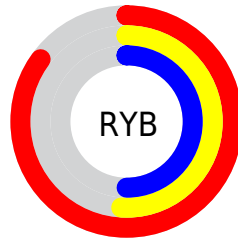
Distribution



Red (85%)

Green (51%)

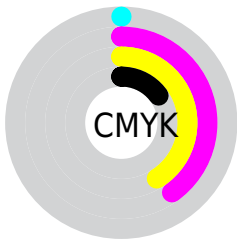
Blue (50%)



Red (85%)

Yellow (51%)

Blue (50%)

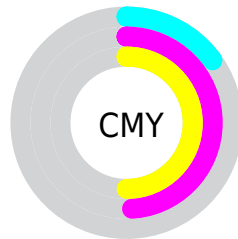


Cyan (0%)

Magenta (40%)

Yellow (41%)

Black (15%)



Cyan (15%)


Magenta (49%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1227, 0.4152, 0.3318 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 32.1227, 0.4152, 0.3318 by changing the saturation by 10% instead.


 32.1227, 0.4152,
0.3318

 32.1227, 0.4152,
0.3318

311.6778, 0.3603,
0.3321


 21.4552, 0.4301,
0.3310


 63.0034, 0.3944,
0.3324

 13.4572, 0.4499,
0.3295


 83.9854, 0.3868,
0.3325

 7.7441, 0.4773,
0.3266


 109.1744, 0.3805,
0.3325

 3.9316, 0.5175,
0.3204

138.9548, 0.3752,
0.3324

 1.6354, 0.5869,
0.3094

173.7109, 0.3706,
0.3324

 0.3813, 0.7601,
0.2399

213.8272, 0.3667,

 0.0000, 1.0000,

0.3323

0.0000

259.6880, 0.3633,
0.3322

■ 0.0000, 0.0000,
0.0000

■ 32.1227, 0.4152,
0.3318

■ 32.1227, 0.4152,
0.3318

■ 26.5650, 0.4555,
0.3324

■ 38.9556, 0.3814,
0.3311

■ 22.1991, 0.5012,
0.3329

■ 47.1309, 0.3538,
0.3304

■ 18.9394, 0.5486,
0.3329

■ 56.7166, 0.3317,
0.3297

■ 16.6866, 0.5916,
0.3325

■ 67.7749, 0.3139,
0.3290

■ 15.3239, 0.6229,
0.3316

■ 80.3642, 0.2996,
0.3285

■ 14.7078, 0.6387,
0.3311

■ 93.3394, 0.2894,
0.3289

Harmonies

Analogous

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



32.1227, 0.3722, 0.2898



32.1227, 0.4152, 0.3318



32.1227, 0.4269, 0.3763

Triad

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



32.1227, 0.4152, 0.3318



32.1227, 0.3031, 0.4187



32.1227, 0.2242, 0.2426

Complementary

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



32.1227, 0.4152, 0.3318



57.6219, 0.2566, 0.3262

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.



32.1227, 0.2100, 0.2667



32.1227, 0.4152, 0.3318



32.1227, 0.2523, 0.3710

Square

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



32.1227, 0.4152, 0.3318



32.1227, 0.3592, 0.4336



32.1227, 0.2195, 0.3126



32.1227, 0.2606, 0.2404

Rectangle

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



32.1227, 0.4152, 0.3318



32.1227, 0.4157, 0.4033



32.1227, 0.2195, 0.3126



32.1227, 0.2169, 0.2481

Sweetspot

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



32.1243, 0.4152, 0.3318



80.5720, 0.3344, 0.3298



34.9129, 0.3188, 0.2307



16.8341, 0.3371, 0.3299



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.



32.1243, 0.4152, 0.3318



39.6312, 0.4499, 0.3324



46.2190, 0.3927, 0.3842



12.4663, 0.3291, 0.3296



8.7268, 0.6382, 0.3314



0.5429, 0.6324, 0.3360

Inverse Universe

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



57.6219, 0.2566, 0.3262



81.6607, 0.2476, 0.3255



38.4900, 0.2471, 0.2659



14.0563, 0.2983, 0.3284



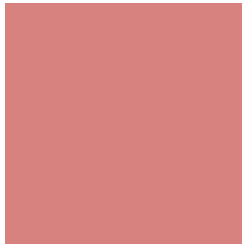
30.5356, 0.2227, 0.3217



1.8577, 0.2231, 0.3230

Previews

White Background



This preview shows how the Yxy color 32.1227, 0.4152, 0.3318 looks on a white background.

Color Contrast Check

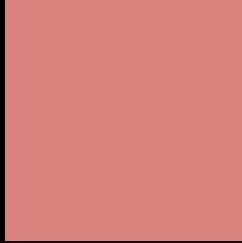
Large Text (above 18pt) WCAG AA × Fail

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 32.1227, 0.4152, 0.3318 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 32.1227, 0.4152, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 32.1227, 0.4152, 0.3318.



This preview shows how white text looks on a background with the Yxy color 32.1227, 0.4152, 0.3318.

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

32.1227, 0.4152, 0.3318

Protanopia

32.4782, 0.3320, 0.3503

Deuteranopia

32.2442, 0.3694, 0.3622



Tritanopia

32.0250, 0.4051, 0.3170

Trichromacy



Original Color

32.1227, 0.4152, 0.3318

Protanomaly

31.7317, 0.3599, 0.3420

Deuteranomaly

31.7626, 0.3857, 0.3498

Tritanomaly

32.1735, 0.4095, 0.3232

Monochromacy



Original Color

32.1227, 0.4152, 0.3318

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.9492, 0.3468, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1227, 0.4152, 0.3318 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(216, 130, 128)` looks like.

```
.text, #text, p{  
    color:rgb(216, 130, 128)  
}
```

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(216, 130, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 130, 128) }
```

Border

The CSS property to change the border of an element to Yxy 32.1227, 0.4152, 0.3318 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(216, 130, 128) }
```

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

```
.border{ border-color:rgb(216, 130, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 130, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 130, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 130, 128);  
box-shadow:4px 4px 4px 4px rgb(216, 130,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1227, 0.4152, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 130, 128) }
```

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

```
.background{ background-color: rgb(216,  
130, 128) }
```

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