

Converting Colors

$Yxy(31.0429, 0.4140, 0.3135)$

Have a look what the booklet for
Yxy(31.0429, 0.4140, 0.3135)
contains.

Yxy(30.9123, 0.4136, 0.3125)	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(30.9123, 0.4136, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	DC7A88
RGB	220, 122, 136
RGB Percent	86%, 48%, 53%
CMY	0.1373, 0.5215, 0.4668
CMYK	0.00, 0.45, 0.38, 0.14
HSL	351°, 58%, 67%
HSV	351°, 45%, 86%
XYZ	40.9130, 30.9123, 27.0940
YIQ	152.8980, 53.9140, 25.1300

Conversions

Conversions Part 2

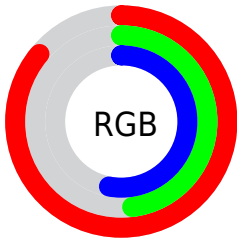
Format	Color
RYB	220, 122, 136
Decimal	14449288
CIELab	62.43, 39.45, 9.43
CIELCh	62, 40.561, 13.450
Yxy	30.9123, 0.4136, 0.3125
Android (android.graphics.Color)	4292639368 (0xFFDC7A88)
YUV	152.8980, -8.3307, 58.8485
Hunter-Lab	55.5988, 34.0533, 10.0264

Details

The Yxy color **30.9123, 0.4136, 0.3125** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **59.7730, 0.2601, 0.3473**, and the grayscale version is **31.8292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9848, 0.3717, 0.3156**, and **12.7336, 0.4493, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **25.6184, 0.4506, 0.3096**, and if you desaturate by 10%, it is **37.5262, 0.3824, 0.3161**.

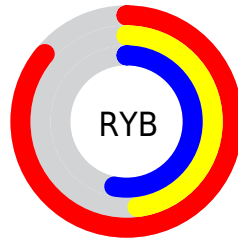
Distribution



Red (86%)

Green (48%)

Blue (53%)



Red (86%)

Yellow (48%)

Blue (53%)

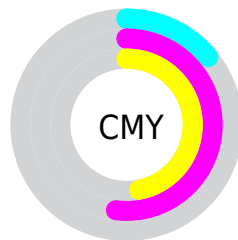


Cyan (0%)

Magenta (45%)

Yellow (38%)

Black (14%)



Cyan (14%)


Magenta (52%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9123, 0.4136, 0.3125 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 30.9123, 0.4136, 0.3125 by changing the saturation by 10% instead.

 30.9123, 0.4136,
0.3125


 30.9123, 0.4136,
0.3125


306.1341, 0.3593,
0.3226


 20.5321, 0.4284,
0.3093


 61.1020, 0.3929,
0.3166

 12.7824, 0.4482,
0.3048

 81.6802, 0.3855,
0.3180

 7.2789, 0.4758,
0.2978


 106.4266, 0.3793,
0.3192

 3.6371, 0.5168,
0.2865

135.7255, 0.3740,
0.3201

 1.4727, 0.5831,
0.2656

169.9612, 0.3696,
0.3209

 0.2694, 0.8259,
0.1741

209.5184, 0.3657,

 0.0000, 1.0000,

0.3215

0.0000

254.7812, 0.3623,
0.3221

0.0000, 0.0000,
0.0000

30.9123, 0.4136,
0.3125

30.9123, 0.4136,
0.3125

25.6184, 0.4506,
0.3096

37.5262, 0.3824,
0.3161

21.5515, 0.4924,
0.3080

45.5359, 0.3567,
0.3200

18.6138, 0.5363,
0.3086


55.0168, 0.3359,
0.3238


16.6901, 0.5773,
0.3117

66.0375, 0.3192,
0.3274

15.6411, 0.6097,
0.3173

78.6623, 0.3057,
0.3308

 15.3134, 0.6229,
0.3205

 92.9521, 0.2948,
0.3339

 93.9527, 0.2917,
0.3289

Harmonies

Analogous

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



30.9123, 0.3551, 0.2695



30.9123, 0.4136, 0.3125



30.9123, 0.4415, 0.3616

Triad

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



30.9123, 0.4136, 0.3125



30.9123, 0.3255, 0.4434



30.9123, 0.2049, 0.2392

Complementary

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



30.9123, 0.4136, 0.3125



59.7730, 0.2601, 0.3473

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.



30.9123, 0.1990, 0.2752



30.9123, 0.4136, 0.3125



30.9123, 0.2644, 0.4013

Square

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



30.9123, 0.4136, 0.3125



30.9123, 0.3863, 0.4425



30.9123, 0.2192, 0.3347



30.9123, 0.2357, 0.2284

Rectangle

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



30.9123, 0.4136, 0.3125



30.9123, 0.4380, 0.3940



30.9123, 0.2192, 0.3347



30.9123, 0.2001, 0.2483

Sweetspot

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



30.9139, 0.4136, 0.3125



78.9454, 0.3333, 0.3243



32.1105, 0.3034, 0.2159



16.2127, 0.3374, 0.3235



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.



30.9139, 0.4136, 0.3125



36.5240, 0.4463, 0.3099



40.4985, 0.4113, 0.3704



13.0816, 0.3269, 0.3257



8.9988, 0.6201, 0.3190



0.5929, 0.5813, 0.2976

Inverse Universe

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



30.9139, 0.4136, 0.3125



36.5240, 0.4463, 0.3099



44.2949, 0.2449, 0.2822



13.0816, 0.3269, 0.3257



8.9988, 0.6201, 0.3190



0.5929, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 30.9123, 0.4136, 0.3125 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 30.9123, 0.4136, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

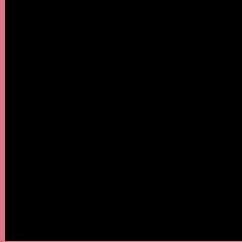
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9123, 0.4136, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 30.9123, 0.4136, 0.3125.



This preview shows how white text looks on a background with the Yxy color 30.9123, 0.4136, 0.3125.

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

30.9123, 0.4136, 0.3125

Protanopia

31.2702, 0.3148, 0.3275

Deuteranopia

31.1079, 0.3561, 0.3497



Tritanopia

31.0475, 0.4181, 0.3185

Trichromacy



Original Color

30.9123, 0.4136, 0.3125

Protanomaly

30.2965, 0.3483, 0.3205

Deuteranomaly

30.5319, 0.3773, 0.3347

Tritanomaly

31.0750, 0.4169, 0.3173

Monochromacy



Original Color

30.9123, 0.4136, 0.3125

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.7997, 0.3457, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9123, 0.4136, 0.3125 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(220, 122, 136)` looks like.

```
.text, #text, p{  
    color:rgb(220, 122, 136)  
}
```

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(220, 122, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 122, 136) }
```

Border

The CSS property to change the border of an element to Yxy 30.9123, 0.4136, 0.3125 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(220, 122, 136) }
```

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

```
.border{ border-color:rgb(220, 122, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 122, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 122, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 122, 136);  
box-shadow:4px 4px 4px 4px rgb(220, 122,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9123, 0.4136, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 122, 136) }
```

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

```
.background{ background-color: rgb(220,  
122, 136) }
```

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