

Converting Colors

$Y_{xy}(34.0462, 0.3278, 0.2536)$

Have a look what the booklet for
Yxy(34.0462, 0.3278, 0.2536)
contains.

Yxy(34.0260, 0.3276, 0.2528)	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(34.0260, 0.3276, 0.2528)

Conversions

Conversions Part 1

Format	Color
Hex	CF85C4
RGB	207, 133, 196
RGB Percent	81%, 52%, 77%
CMY	0.1881, 0.4785, 0.2313
CMYK	0.00, 0.36, 0.05, 0.19
HSL	309°, 44%, 67%
HSV	309°, 36%, 81%
XYZ	44.0938, 34.0260, 56.4767
YIQ	162.3080, 23.8810, 35.2810

Conversions

Conversions Part 2

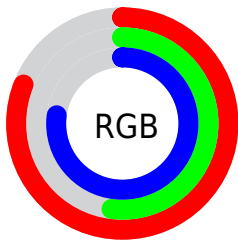
Format	Color
R _Y B	207, 133, 196
Decimal	13600196
CIE _{Lab}	64.98, 38.00, -21.07
CIE _{LCh}	65, 43.448, 330.995
Y _{xy}	34.0260, 0.3276, 0.2528
Android (android.graphics.Color)	4291790276 (0xFFCF85C4)
Y _{UV}	162.3080, 16.6102, 39.1949
Hunter-Lab	58.3318, 32.8499, -16.5722

Details

The Yxy color **34.0260, 0.3276, 0.2528** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.6461, 0.3008, 0.4196**, and the grayscale version is **36.1963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8925, 0.3173, 0.2642**, and **14.5669, 0.3304, 0.2329** is the 20% darker color. If you saturate the color by 10%, you get **28.7682, 0.3328, 0.2325**, and if you desaturate by 10%, it is **40.4070, 0.3228, 0.2742**.

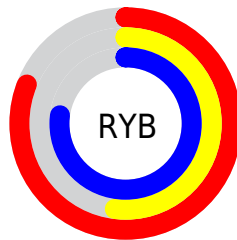
Distribution



Red (81%)

Green (52%)

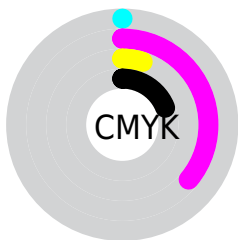
Blue (77%)



Red (81%)

Yellow (52%)

Blue (77%)

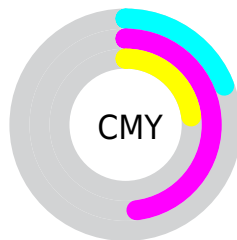


Cyan (0%)

Magenta (36%)

Yellow (5%)

Black (19%)



Cyan (19%)


Magenta (48%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0260, 0.3276, 0.2528 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 34.0260, 0.3276, 0.2528 by changing the saturation by 10% instead.


 34.0260, 0.3276,
0.2528


 34.0260, 0.3276,
0.2528


320.2480, 0.3209,
0.2903


 22.9136, 0.3291,
0.2437


 65.9741, 0.3253,
0.2663

 14.5297, 0.3308,
0.2321

 87.5786, 0.3244,
0.2714

 8.4900, 0.3328,
0.2170


 113.4492, 0.3236,
0.2757

 4.4101, 0.3352,
0.1966

143.9703, 0.3229,
0.2794

 1.9055, 0.3376,
0.1676

179.5263, 0.3223,
0.2827

 0.5517, 0.3416,
0.1170

220.5017, 0.3218,

 0.0000, 0.3153,

0.2855

0.0000

267.2808, 0.3213,
0.2881

0.0000, 0.0000,
0.0000

34.0260, 0.3276,
0.2528

34.0260, 0.3276,
0.2528

28.7682, 0.3328,
0.2325

40.4070, 0.3228,
0.2742

24.5630, 0.3384,
0.2142

47.9672, 0.3185,
0.2959

21.3391, 0.3441,
0.1988

56.7644, 0.3147,
0.3171

19.0143, 0.3499,
0.1873

66.8511, 0.3114,
0.3375


17.4929, 0.3554,
0.1803


78.2771, 0.3085,
0.3567


 16.6568, 0.3607,
0.1776

 89.6732, 0.3061,
0.3724

 16.4148, 0.3629,
0.1773

 89.8328, 0.3044,
0.3690

 89.9953, 0.3027,
0.3656

 90.1609, 0.3010,
0.3622

Harmonies

Analogous

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



34.0260, 0.2628, 0.2294



34.0260, 0.3276, 0.2528



34.0260, 0.3948, 0.2922

Triad

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



34.0260, 0.3276, 0.2528



34.0260, 0.4105, 0.4347



34.0260, 0.2006, 0.2960

Complementary

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



34.0260, 0.3276, 0.2528



51.6461, 0.3008, 0.4196

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.



34.0260, 0.2324, 0.3644



34.0260, 0.3276, 0.2528



34.0260, 0.3528, 0.4528

Square

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



34.0260, 0.3276, 0.2528



34.0260, 0.4439, 0.3917



34.0260, 0.2875, 0.4275



34.0260, 0.1957, 0.2481

Rectangle

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



34.0260, 0.3276, 0.2528



34.0260, 0.4284, 0.3241



34.0260, 0.2875, 0.4275



34.0260, 0.2082, 0.3173

Sweetspot

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



34.0275, 0.3276, 0.2528



83.1247, 0.3167, 0.3058



27.1034, 0.2564, 0.2245



17.3845, 0.3172, 0.3029



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.



34.0275, 0.3276, 0.2528



47.8305, 0.3316, 0.2369



32.5842, 0.3662, 0.2948



11.9775, 0.3160, 0.3094



10.3482, 0.3622, 0.1769



0.5870, 0.3535, 0.1721

Inverse Universe

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



34.0275, 0.3276, 0.2528



47.8305, 0.3316, 0.2369



52.9229, 0.2786, 0.3666



11.9775, 0.3160, 0.3094



10.3482, 0.3622, 0.1769



0.5870, 0.3535, 0.1721

Previews

White Background



This preview shows how the Yxy color 34.0260, 0.3276, 0.2528 looks on a white background.

Color Contrast Check

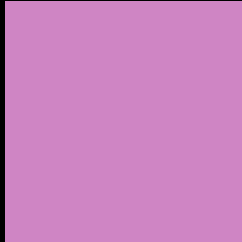
Large Text (above 18pt) WCAG AA × Fail

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 34.0260, 0.3276, 0.2528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

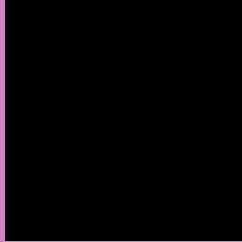
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0260, 0.3276, 0.2528

Background



This preview shows how black text looks on a background with the Yxy color 34.0260, 0.3276, 0.2528.



This preview shows how white text looks on a background with the Yxy color 34.0260, 0.3276, 0.2528.

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

34.0260, 0.3276, 0.2528

Protanopia

34.3318, 0.2557, 0.2504

Deuteranopia

34.3164, 0.2820, 0.2769



Tritanopia

34.1696, 0.3673, 0.3162

Trichromacy



Original Color

34.0260, 0.3276, 0.2528



Protanomaly

33.7918, 0.2785, 0.2504



Deuteranomaly

33.8317, 0.2982, 0.2673



Tritanomaly

34.1298, 0.3528, 0.2922

Monochromacy



Original Color

34.0260, 0.3276, 0.2528



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.6542, 0.3182, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0260, 0.3276, 0.2528 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(207, 133, 196)` looks like.

```
.text, #text, p{  
    color:rgb(207, 133, 196)  
}
```

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(207, 133, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 133, 196) }
```

Border

The CSS property to change the border of an element to Yxy 34.0260, 0.3276, 0.2528 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(207, 133, 196) }
```

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

```
.border{ border-color:rgb(207, 133, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 133, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 133, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 133, 196);  
box-shadow:4px 4px 4px 4px rgb(207, 133,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0260, 0.3276, 0.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 133, 196) }
```

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

```
.background{ background-color: rgb(207,  
133, 196) }
```

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