

Converting Colors

$Y_{xy}(34.1621, 0.2820, 0.2308)$

Have a look what the booklet for
Yxy(34.1621, 0.2820, 0.2308)
contains.

Yxy(34.1621, 0.2820, 0.2308)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.1621, 0.2820, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	B68DDC
RGB	182, 141, 220
RGB Percent	71%, 55%, 86%
CMY	0.2862, 0.4471, 0.1372
CMYK	0.17, 0.36, 0.00, 0.14
HSL	271°, 53%, 71%
HSV	271°, 36%, 86%
XYZ	41.7405, 34.1621, 72.1134
YIQ	162.2650, -0.9230, 33.2610

Conversions

Conversions Part 2

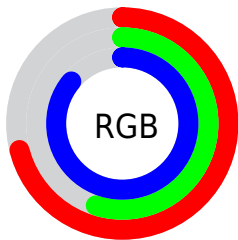
Format	Color
R_{YB}	182, 141, 220
Decimal	11963868
CIE _{Lab}	65.09, 30.52, -34.52
CIE _{LCh}	65, 46.080, 311.481
Yxy	34.1621, 0.2820, 0.2308
Android (android.graphics.Color)	4290153948 (0xFFB68DDC)
YUV	162.2650, 28.4634, 17.3076
Hunter-Lab	58.4484, 25.1900, -32.2380

Details

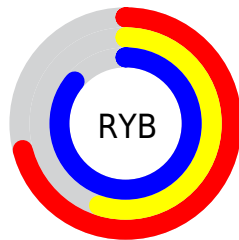
The Yxy color **34.1621, 0.2820, 0.2308** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.6975, 0.3346, 0.4283**, and the grayscale version is **36.1279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6009, 0.3036, 0.2681**, and **14.6181, 0.2711, 0.2048** is the 20% darker color. If you saturate the color by 10%, you get **27.0679, 0.2707, 0.2012**, and if you desaturate by 10%, it is **42.6450, 0.2922, 0.2601**.

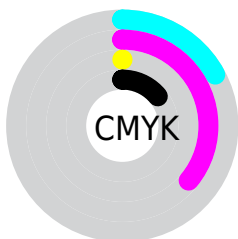
Distribution



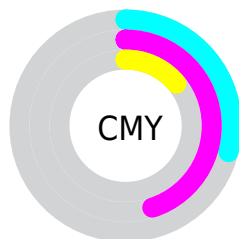
- Red (71%)
- Green (55%)
- Blue (86%)



- Red (71%)
- Yellow (55%)
- Blue (86%)



- Cyan (17%)
- Magenta (36%)
- Yellow (0%)
- Black (14%)





- Cyan (29%)
- Magenta (45%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1621, 0.2820, 0.2308 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 34.1621, 0.2820, 0.2308 by changing the saturation by 10% instead.


 34.1621, 0.2820,
0.2308


 34.1621, 0.2820,
0.2308


320.8542, 0.2989,
0.2785


 23.0182, 0.2774,
0.2195


 66.1857, 0.2885,
0.2477

 14.6069, 0.2712,
0.2054


 87.8341, 0.2908,
0.2542

 8.5440, 0.2628,
0.1873


 113.7528, 0.2927,
0.2597

 4.4450, 0.2505,
0.1636

144.3261, 0.2944,
0.2645

 1.9254, 0.2315,
0.1316

179.9386, 0.2958,
0.2687

 0.5636, 0.2010,
0.0832

220.9745, 0.2970,

 0.0000, 0.0981,

0.2723

0.0000

267.8182, 0.2980,
0.2756

0.0000, 0.0000,
0.0000

34.1621, 0.2820,
0.2308

34.1621, 0.2820,
0.2308

27.0679, 0.2707,
0.2012

42.6450, 0.2922,
0.2601

21.2794, 0.2585,
0.1726

52.5849, 0.3011,
0.2881

16.7109, 0.2457,
0.1463


64.0505, 0.3087,
0.3144


13.2645, 0.2329,
0.1237


77.1048, 0.3152,
0.3386

10.8260, 0.2206,
0.1062

91.8072, 0.3207,
0.3606

 9.2549, 0.2093,
0.0942

 96.1876, 0.3272,
0.3638

 8.7626, 0.2050,
0.0903

 97.9481, 0.3333,
0.3631

Harmonies

Analogous

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



34.1621, 0.2258, 0.2198



34.1621, 0.2820, 0.2308



34.1621, 0.3542, 0.2617

Triad

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



34.1621, 0.2820, 0.2308



34.1621, 0.4426, 0.4117



34.1621, 0.2131, 0.3395

Complementary

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



34.1621, 0.2820, 0.2308



62.6975, 0.3346, 0.4283

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.



34.1621, 0.2633, 0.4135



34.1621, 0.2820, 0.2308



34.1621, 0.3961, 0.4514

Square

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



34.1621, 0.2820, 0.2308



34.1621, 0.4534, 0.3596



34.1621, 0.3303, 0.4571



34.1621, 0.1899, 0.2729

Rectangle

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



34.1621, 0.2820, 0.2308



34.1621, 0.4007, 0.2908



34.1621, 0.3303, 0.4571



34.1621, 0.2271, 0.3651

Sweetspot

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



34.1635, 0.2820, 0.2308



80.9227, 0.3049, 0.3011



43.1444, 0.2549, 0.2746



16.8576, 0.3039, 0.2974



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.



34.1635, 0.2820, 0.2308



40.1753, 0.2737, 0.2088



39.3633, 0.3181, 0.2417



12.9481, 0.3062, 0.3054



5.2087, 0.2066, 0.0912



0.3887, 0.2240, 0.1008

Inverse Universe

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



37.5185, 0.3572, 0.2840



45.6978, 0.3704, 0.2747



58.8180, 0.3069, 0.4351



13.1553, 0.3217, 0.3178



9.5599, 0.5031, 0.2545



0.6367, 0.4656, 0.2338

Previews

White Background



This preview shows how the Yxy color 34.1621, 0.2820, 0.2308 looks on a white background.

Color Contrast Check

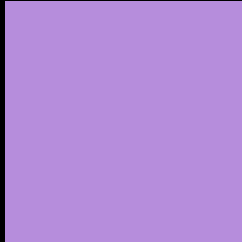
Large Text (above 18pt) WCAG AA × Fail

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 34.1621, 0.2820, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

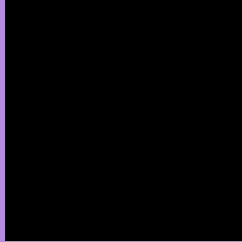
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1621, 0.2820, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 34.1621, 0.2820, 0.2308.



This preview shows how white text looks on a background with the Yxy color 34.1621, 0.2820, 0.2308.

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

34.1621, 0.2820, 0.2308

Protanopia

34.5897, 0.2379, 0.2278

Deuteranopia

34.3621, 0.2516, 0.2454



Tritanopia

34.0210, 0.3225, 0.3121

Trichromacy



Original Color

34.1621, 0.2820, 0.2308

Protanomaly

34.3140, 0.2519, 0.2285

Deuteranomaly

34.1637, 0.2616, 0.2400

Tritanomaly

33.8706, 0.3071, 0.2801

Monochromacy



Original Color

34.1621, 0.2820, 0.2308

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.9651, 0.3012, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1621, 0.2820, 0.2308 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(182, 141, 220)` looks like.

```
.text, #text, p{  
    color:rgb(182, 141, 220)  
}
```

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(182, 141, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 141, 220) }
```

Border

The CSS property to change the border of an element to Yxy 34.1621, 0.2820, 0.2308 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(182, 141, 220) }
```

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

```
.border{ border-color:rgb(182, 141, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 141, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 141, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 141, 220); box-shadow:4px 4px 4px 4px rgb(182, 141, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1621, 0.2820, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 141, 220) }
```

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

```
.background{ background-color: rgb(182,  
141, 220) }
```

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