

Converting Colors

$Y_{xy}(29.1591, 0.3465, 0.2821)$

Have a look what the booklet for
Yxy(29.1591, 0.3465, 0.2821)
contains.

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Color

Yxy(29.1591, 0.3465, 0.2821)

Conversions

Conversions Part 1

Format	Color
Hex	BF80A3
RGB	191, 128, 163
RGB Percent	75%, 50%, 64%
CMY	0.2510, 0.4980, 0.3608
CMYK	0.00, 0.33, 0.15, 0.25
HSL	327°, 33%, 63%
HSV	327°, 33%, 75%
XYZ	35.8158, 29.1591, 38.3895
YIQ	150.8270, 26.3130, 24.2410

Conversions

Conversions Part 2

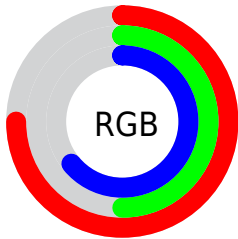
Format	Color
R_{YB}	191, 128, 163
Decimal	12550307
CIE _{Lab}	60.92, 29.59, -8.67
CIE _{LCh}	61, 30.829, 343.672
Yxy	29.1591, 0.3465, 0.2821
Android (android.graphics.Color)	4290740387 (0xFFBF80A3)
YUV	150.8270, 6.0013, 35.2317
Hunter-Lab	53.9992, 23.8943, -4.3515

Details

The Yxy color **29.1591, 0.3465, 0.2821** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.2522, 0.2891, 0.3814**, and the grayscale version is **30.8359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4743, 0.3395, 0.2915**, and **11.8307, 0.3573, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **24.3436, 0.3609, 0.2677**, and if you desaturate by 10%, it is **34.9356, 0.3342, 0.2968**.

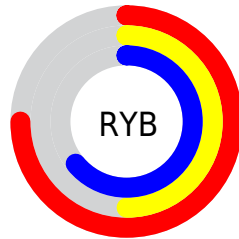
Distribution



Red (75%)

Green (50%)

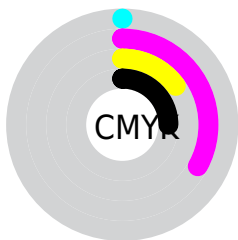
Blue (64%)



Red (75%)

Yellow (50%)

Blue (64%)

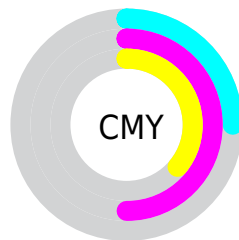


Cyan (0%)

Magenta (33%)

Yellow (15%)

Black (25%)



Cyan (25%)


Magenta (50%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1591, 0.3465, 0.2821 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 29.1591, 0.3465, 0.2821 by changing the saturation by 10% instead.


 29.1591, 0.3465,
0.2821


 29.1591, 0.3465,
0.2821


297.9649, 0.3287,
0.3065

 19.2012, 0.3512,
0.2757


 58.3298, 0.3398,
0.2912

 11.8158, 0.3575,
0.2673


 78.3113, 0.3374,
0.2945

 6.6183, 0.3662,
0.2558


 102.4029, 0.3354,
0.2973

 3.2246, 0.3790,
0.2391

130.9889, 0.3336,
0.2997

 1.2501, 0.3998,
0.2128

164.4537, 0.3321,
0.3018

 0.1020, 0.5000,
0.0623

203.1817, 0.3309,

 0.0000, 0.0000,

0.3035

0.0000

247.5573, 0.3297,
0.3051

■ 29.1591, 0.3465,
0.2821

■ 29.1591, 0.3465,
0.2821

■ 24.3436, 0.3609,
0.2677

■ 34.9356, 0.3342,
0.2968

■ 20.4318, 0.3776,
0.2545

■ 41.7181, 0.3237,
0.3112

■ 17.3668, 0.3962,
0.2433


■ 49.5535, 0.3150,
0.3250


■ 15.0833, 0.4164,
0.2356


■ 58.4846, 0.3078,
0.3380

■ 13.5063, 0.4374,
0.2322


■ 68.5520, 0.3018,
0.3501

 12.5459, 0.4584,
0.2341

 79.7939, 0.2968,
0.3613

 12.1191, 0.4729,
0.2379

 87.8936, 0.2924,
0.3646

 88.3616, 0.2880,
0.3551

 88.8529, 0.2836,
0.3457

Harmonies

Analogous

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



29.1591, 0.2952, 0.2577



29.1591, 0.3465, 0.2821



29.1591, 0.3910, 0.3173

Triad

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



29.1591, 0.3465, 0.2821



29.1591, 0.3714, 0.4177



29.1591, 0.2221, 0.2879

Complementary

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



29.1591, 0.3465, 0.2821



44.2522, 0.2891, 0.3814

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.



29.1591, 0.2390, 0.3340



29.1591, 0.3465, 0.2821



29.1591, 0.3238, 0.4157

Square

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



29.1591, 0.3465, 0.2821



29.1591, 0.4047, 0.3941



29.1591, 0.2754, 0.3836



29.1591, 0.2268, 0.2584

Rectangle

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



29.1591, 0.3465, 0.2821



29.1591, 0.4087, 0.3438



29.1591, 0.2754, 0.3836



29.1591, 0.2253, 0.3019

Sweetspot

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



29.1604, 0.3465, 0.2821



78.4845, 0.3211, 0.3152



26.1999, 0.2800, 0.2390



16.8134, 0.3224, 0.3132



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.1604, 0.3465, 0.2821



45.4759, 0.3574, 0.2710



28.1877, 0.3830, 0.3234



9.6227, 0.3204, 0.3163



7.9809, 0.4703, 0.2365



0.3256, 0.4253, 0.2116

Inverse Universe

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



29.1604, 0.3465, 0.2821



45.4759, 0.3574, 0.2710



45.4310, 0.2689, 0.3349



9.6227, 0.3204, 0.3163



7.9809, 0.4703, 0.2365



0.3256, 0.4253, 0.2116

Previews

White Background



This preview shows how the Yxy color 29.1591, 0.3465, 0.2821 looks on a white background.

Color Contrast Check

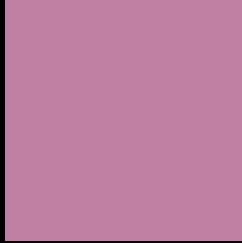
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1591, 0.3465, 0.2821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

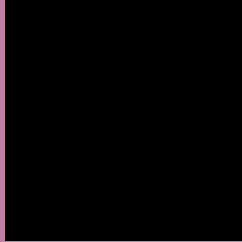
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1591, 0.3465, 0.2821

Background



This preview shows how black text looks on a background with the Yxy color 29.1591, 0.3465, 0.2821.



This preview shows how white text looks on a background with the Yxy color 29.1591, 0.3465, 0.2821.

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

29.1591, 0.3465, 0.2821

Protanopia

29.4037, 0.2825, 0.2847

Deuteranopia

29.2509, 0.3098, 0.3033



Tritanopia

29.2743, 0.3675, 0.3153

Trichromacy



Original Color

29.1591, 0.3465, 0.2821

Protanomaly

28.8791, 0.3035, 0.2820

Deuteranomaly

29.1852, 0.3229, 0.2956

Tritanomaly

29.3818, 0.3596, 0.3031

Monochromacy



Original Color

29.1591, 0.3465, 0.2821

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.1185, 0.3252, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1591, 0.3465, 0.2821 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(191, 128, 163)` looks like.

```
.text, #text, p{  
    color:rgb(191, 128, 163)  
}
```

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(191, 128, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 128, 163) }
```

Border

The CSS property to change the border of an element to Yxy 29.1591, 0.3465, 0.2821 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(191, 128, 163) }
```

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

```
.border{ border-color:rgb(191, 128, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 128, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 128, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 128, 163);  
box-shadow:4px 4px 4px 4px rgb(191, 128,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1591, 0.3465, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 128, 163) }
```

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

```
.background{ background-color: rgb(191,  
128, 163) }
```

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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