

Converting Colors

$Y_{xy}(28.1321, 0.3185, 0.2366)$

Have a look what the booklet for
Yxy(28.1321, 0.3185, 0.2366)
contains.

Yxy(28.0559, 0.3192, 0.2365)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.0559, 0.3192, 0.2365)

Conversions

Conversions Part 1

Format	Color
Hex	C176BF
RGB	193, 118, 191
RGB Percent	76%, 46%, 75%
CMY	0.2433, 0.5371, 0.2510
CMYK	0.00, 0.39, 0.01, 0.24
HSL	302°, 38%, 61%
HSV	302°, 39%, 76%
XYZ	37.8666, 28.0559, 52.7071
YIQ	148.7470, 21.2670, 38.6030

Conversions

Conversions Part 2

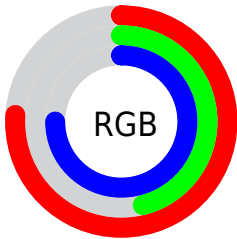
Format	Color
R_{YB}	193, 118, 191
Decimal	12678847
CIE _{Lab}	59.94, 40.59, -26.11
CIE _{LCh}	60, 48.258, 327.250
Yxy	28.0559, 0.3192, 0.2365
Android (android.graphics.Color)	4290868927 (0xFFC176BF)
YUV	148.7470, 20.8307, 38.8099
Hunter-Lab	52.9678, 34.9155, -21.9207

Details

The Yxy color **28.0559, 0.3192, 0.2365** is a light color, and the websafe version is hex **996699**. A complement of this color would be **43.3318, 0.3060, 0.4430**, and the grayscale version is **29.8487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7916, 0.3187, 0.2532**, and **11.2237, 0.3198, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **23.9444, 0.3209, 0.2149**, and if you desaturate by 10%, it is **33.0996, 0.3174, 0.2599**.

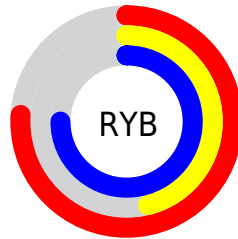
Distribution



Red (76%)

Green (46%)

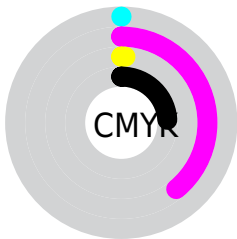
Blue (75%)



Red (76%)

Yellow (46%)

Blue (75%)

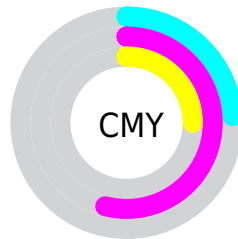


Cyan (0%)

Magenta (39%)

Yellow (1%)

Black (24%)



Cyan (24%)


Magenta (54%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0559, 0.3192, 0.2365 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 28.0559, 0.3192, 0.2365 by changing the saturation by 10% instead.


 28.0559, 0.3192,
0.2365


 28.0559, 0.3192,
0.2365


292.7339, 0.3172,
0.2828


 18.3678, 0.3193,
0.2251


 56.5737, 0.3188,
0.2532

 11.2144, 0.3191,
0.2105


 76.1721, 0.3185,
0.2596

 6.2112, 0.3184,
0.1915


 99.8429, 0.3182,
0.2649

 2.9739, 0.3165,
0.1657

127.9702, 0.3180,
0.2695

 1.1181, 0.3113,
0.1293

160.9386, 0.3178,
0.2735

 0.0000, 0.3215,
0.0000

199.1324, 0.3175,

 0.0000, 0.0000,

0.2770

0.0000

242.9361, 0.3173,
0.2800

■ 28.0559, 0.3192,
0.2365

■ 28.0559, 0.3192,
0.2365

■ 23.9444, 0.3209,
0.2149

■ 33.0996, 0.3174,
0.2599

■ 20.7043, 0.3226,
0.1959

■ 39.1240, 0.3157,
0.2840

■ 18.2736, 0.3241,
0.1803


■ 46.1786, 0.3141,
0.3082

■ 16.5803, 0.3255,
0.1689


■ 54.3087, 0.3125,
0.3317

■ 15.5400, 0.3266,
0.1617

■ 63.5568, 0.3111,
0.3541

 15.0103, 0.3275,
0.1582

 73.9629, 0.3098,
0.3751

 14.9589, 0.3276,
0.1578

 85.5654, 0.3087,
0.3946

 86.7943, 0.3083,
0.3959

 86.8172, 0.3081,
0.3953

Harmonies

Analogous

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



28.0559, 0.2458, 0.2126



28.0559, 0.3192, 0.2365



28.0559, 0.4006, 0.2791

Triad

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



28.0559, 0.3192, 0.2365



28.0559, 0.4323, 0.4453



28.0559, 0.1855, 0.2974

Complementary

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



28.0559, 0.3192, 0.2365



43.3318, 0.3060, 0.4430

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.



28.0559, 0.2248, 0.3815



28.0559, 0.3192, 0.2365



28.0559, 0.3667, 0.4758

Square

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



28.0559, 0.3192, 0.2365



28.0559, 0.4684, 0.3915



28.0559, 0.2907, 0.4550



28.0559, 0.1768, 0.2388

Rectangle

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



28.0559, 0.3192, 0.2365



28.0559, 0.4437, 0.3144



28.0559, 0.2907, 0.4550



28.0559, 0.1952, 0.3237

Sweetspot

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



28.0571, 0.3192, 0.2365



78.2924, 0.3146, 0.3001



20.7535, 0.2431, 0.2125



16.4349, 0.3148, 0.2969



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.



28.0571, 0.3192, 0.2365



43.6339, 0.3207, 0.2171



26.6370, 0.3614, 0.2805



10.2428, 0.3142, 0.3069



9.9560, 0.3275, 0.1578



0.4316, 0.3259, 0.1569

Inverse Universe

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



28.0571, 0.3192, 0.2365



43.6339, 0.3207, 0.2171



44.4014, 0.2819, 0.3840



10.2428, 0.3142, 0.3069



9.9560, 0.3275, 0.1578



0.4316, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 28.0559, 0.3192, 0.2365 looks on a white background.

Color Contrast Check

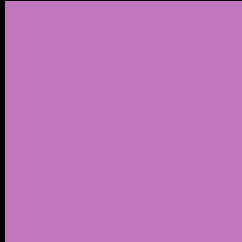
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0559, 0.3192, 0.2365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

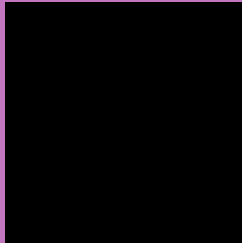
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0559, 0.3192, 0.2365

Background



This preview shows how black text looks on a background with the Yxy color 28.0559, 0.3192, 0.2365.



This preview shows how white text looks on a background with the Yxy color 28.0559, 0.3192, 0.2365.

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

28.0559, 0.3192, 0.2365

Protanopia

28.5090, 0.2408, 0.2317

Deuteranopia

28.2522, 0.2678, 0.2612



Tritanopia

28.0037, 0.3686, 0.3151

Trichromacy



Original Color

28.0559, 0.3192, 0.2365



Protanomaly

27.6579, 0.2641, 0.2317



Deuteranomaly

27.5740, 0.2847, 0.2502



Tritanomaly

27.9547, 0.3506, 0.2842

Monochromacy



Original Color

28.0559, 0.3192, 0.2365



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.8566, 0.3156, 0.2909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0559, 0.3192, 0.2365 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(193, 118, 191)` looks like.

```
.text, #text, p{  
    color:rgb(193, 118, 191)  
}
```

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(193, 118, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 118, 191) }
```

Border

The CSS property to change the border of an element to Yxy 28.0559, 0.3192, 0.2365 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(193, 118, 191) }
```

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

```
.border{ border-color:rgb(193, 118, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 118, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 118, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 118, 191); box-shadow:4px 4px 4px 4px rgb(193, 118, 191) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0559, 0.3192, 0.2365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 118, 191) }
```

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

```
.background{ background-color: rgb(193,  
118, 191) }
```

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