

Converting Colors

$Y_{xy}(3.2217, 0.1576, 0.0642)$

Have a look what the booklet for
Yxy(3.2217, 0.1576, 0.0642)
contains.

Yxy(3.2398, 0.1577, 0.0642)	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(3.2398, 0.1577, 0.0642)

Conversions

Conversions Part 1

Format	Color
Hex	1D00AC
RGB	29, 0, 172
RGB Percent	11%, 0%, 67%
CMY	0.8861, 1.0000, 0.3253
CMYK	0.83, 1.00, 0.00, 0.33
HSL	250°, 100%, 34%
HSV	250°, 100%, 67%
XYZ	7.9582, 3.2398, 39.2662
YIQ	28.2790, -37.9280, 59.6400

Conversions

Conversions Part 2

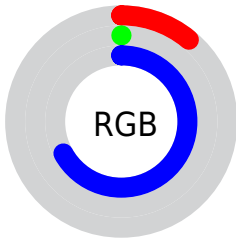
Format	Color
RYB	29, 0, 172
Decimal	1900716
CIELab	20.98, 59.34, -78.60
CIELCh	21, 98.487, 307.054
Yxy	3.2398, 0.1577, 0.0642
Android (android.graphics.Color)	4280090796 (0xFF1D00AC)
YUV	28.2790, 70.8545, 0.6323
Hunter-Lab	17.9994, 47.4222, -116.7428

Details

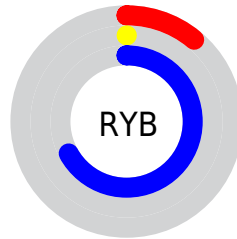
The Yxy color **3.2398, 0.1577, 0.0642** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **35.3703, 0.3900, 0.5286**, and the grayscale version is **1.1373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **11.8921, 0.1985, 0.1093**, and **1.3080, 0.1500, 0.0600** is the 20% darker color. If you saturate the color by 10%, you get **3.2426, 0.1577, 0.0642**, and if you desaturate by 10%, it is **3.9091, 0.1669, 0.0753**.

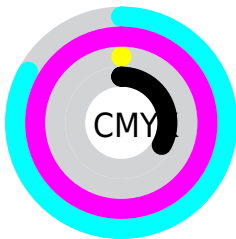
Distribution



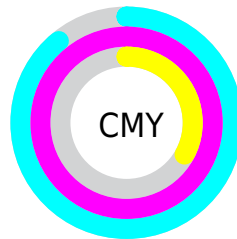
- Red (11%)
- Green (0%)
- Blue (67%)



- Red (11%)
- Yellow (0%)
- Blue (67%)



- Cyan (83%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)





- Cyan (89%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 3.2398, 0.1577, 0.0642 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 3.2398, 0.1577, 0.0642 by changing the saturation by 10% instead.


 3.2398, 0.1577,
0.0642


 3.2398, 0.1577,
0.0642


 131.1685, 0.2575,
0.1989


 1.2582, 0.1286,
0.0393


 11.8519, 0.1984,
0.1090


 0.1085, 0.0933,
0.0057


 19.2512, 0.2126,
0.1277

 0.0000, 0.0470,
0.0000

 29.2251, 0.2240,
0.1438


 0.0000, 0.0000,
0.0000


 42.1581, 0.2333,
0.1579


 58.4345, 0.2409,
0.1702


 78.4388, 0.2474,


0.1810


 102.5553, 0.2528,
0.1905


 3.2398, 0.1577,
0.0642


 3.2398, 0.1577,
0.0642


 3.2426, 0.1577,
0.0642

 3.9091, 0.1669,
0.0753

 5.0374, 0.1797,
0.0927

 6.7784, 0.1958,
0.1171

 9.2057, 0.2140,
0.1467

 12.3820, 0.2330,
0.1792

■ 16.3632, 0.2518,
0.2127

■ 21.1997, 0.2696,
0.2453

■ 26.9376, 0.2858,
0.2759

■ 33.6199, 0.3001,
0.3039

Harmonies

Analogous

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



3.2398, 0.0595, 0.0503



3.2398, 0.1577, 0.0642



3.2398, 0.4012, 0.1093

Triad

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



3.2398, 0.1577, 0.0642



3.2398, 0.6449, 0.3551



3.2398, 0.0000, 0.3529

Complementary

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



3.2398, 0.1577, 0.0642



35.3703, 0.3900, 0.5286

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.



3.2398, 0.0000, 1.0000



3.2398, 0.1577, 0.0642



3.2398, 0.4286, 0.5714

Square

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



3.2398, 0.1577, 0.0642



3.2398, 0.7598, 0.2402



3.2398, 0.1898, 0.8102



3.2398, 0.0100, 0.1120

Rectangle

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



3.2398, 0.1577, 0.0642



3.2398, 0.6291, 0.1565



3.2398, 0.1898, 0.8102



3.2398, 0.0000, 0.5407

Sweetspot

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



3.2426, 0.1577, 0.0642



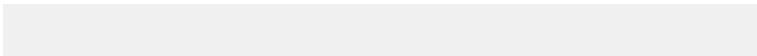
37.9178, 0.2687, 0.2436



22.7413, 0.2098, 0.2753



7.4304, 0.2616, 0.2305



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



3.2426, 0.1577, 0.0642



5.8131, 0.1567, 0.0637



6.6059, 0.2388, 0.1089



7.8198, 0.3011, 0.3057



2.4282, 0.1584, 0.0646



0.0867, 0.1837, 0.0785

Inverse Universe

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



10.7615, 0.3685, 0.1804



19.4792, 0.3695, 0.1809



30.4085, 0.3175, 0.5861



8.1245, 0.3162, 0.3104



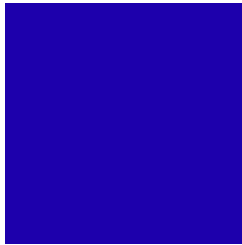
8.0091, 0.3679, 0.1801



0.2289, 0.3515, 0.1710

Previews

White Background



This preview shows how the Yxy color 3.2398, 0.1577, 0.0642 looks on a white background.

Color Contrast Check

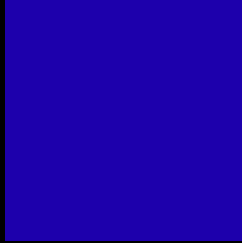
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 3.2398, 0.1577, 0.0642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

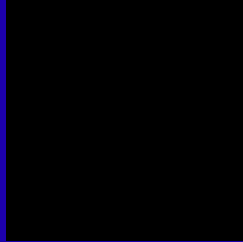
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 3.2398, 0.1577, 0.0642

Background



This preview shows how black text looks on a background with the Yxy color 3.2398, 0.1577, 0.0642.



This preview shows how white text looks on a background with the Yxy color 3.2398, 0.1577, 0.0642.

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

3.2398, 0.1577, 0.0642

Protanopia

3.5387, 0.1778, 0.1599

Deuteranopia

3.5051, 0.1892, 0.2011



Tritanopia

3.4757, 0.2210, 0.3157

Trichromacy



Original Color

3.2398, 0.1577, 0.0642

Protanomaly

2.7976, 0.1629, 0.0954

Deuteranomaly

2.6537, 0.1661, 0.1052

Tritanomaly

2.4167, 0.1744, 0.1305

Monochromacy



Original Color

3.2398, 0.1577, 0.0642

Achromatopsia

1.1612, 0.3127, 0.3290

Achromatomaly

1.2587, 0.1927, 0.1132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 3.2398, 0.1577, 0.0642 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(29, 0, 172)` looks like.

```
.text, #text, p{  
    color:rgb(29, 0, 172)  
}
```

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(29, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 0, 172) }
```

Border

The CSS property to change the border of an element to Yxy 3.2398, 0.1577, 0.0642 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(29, 0, 172) }
```

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

```
.border{ border-color:rgb(29, 0, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 0, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(29, 0, 172)  
}
```


Background

The CSS property to change the background color of an element to Yxy 3.2398, 0.1577, 0.0642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 0, 172) }
```

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

```
.background{ background-color: rgb(29, 0,  
172) }
```

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