

Converting Colors

$Y_{xy}(10.2403, 0.2665, 0.1242)$

Have a look what the booklet for
Yxy(10.2403, 0.2665, 0.1242)
contains.

Yxy(10.2456, 0.2670, 0.1244)	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(10.2456, 0.2670, 0.1244)

Conversions

Conversions Part 1

Format	Color
Hex	9600BF
RGB	150, 0, 191
RGB Percent	59%, 0%, 75%
CMY	0.4116, 1.0000, 0.2509
CMYK	0.21, 1.00, 0.00, 0.25
HSL	287°, 100%, 37%
HSV	287°, 100%, 75%
XYZ	21.9902, 10.2456, 50.1244
YIQ	66.6240, 28.0890, 91.2010

Conversions

Conversions Part 2

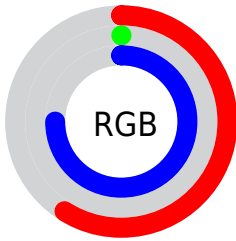
Format	Color
R_{YB}	150, 0, 191
Decimal	9830591
CIE _{Lab}	38.28, 72.99, -60.84
CIE _{LCh}	38, 95.019, 320.184
Yxy	10.2456, 0.2670, 0.1244
Android (android.graphics.Color)	4288020671 (0xFF9600BF)
YUV	66.6240, 61.3174, 73.1208
Hunter-Lab	32.0087, 66.6150, -70.4396

Details

The Yxy color **10.2456, 0.2670, 0.1244** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **37.7445, 0.3076, 0.5939**, and the grayscale version is **5.4525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2175, 0.2819, 0.1600**, and **4.0529, 0.2426, 0.1110** is the 20% darker color. If you saturate the color by 10%, you get **10.2513, 0.2670, 0.1245**, and if you desaturate by 10%, it is **11.1163, 0.2726, 0.1318**.

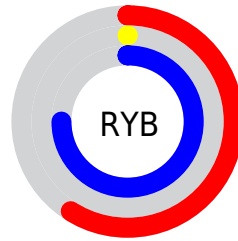
Distribution



Red (59%)

Green (0%)

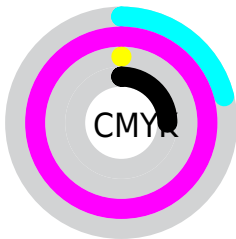
Blue (75%)



Red (59%)

Yellow (0%)

Blue (75%)

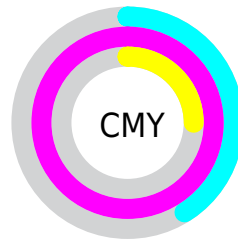


Cyan (21%)

Magenta (100%)

Yellow (0%)

Black (25%)



Cyan (41%)


Magenta (100%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2456, 0.2670, 0.1244 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 10.2456, 0.2670, 0.1244 by changing the saturation by 10% instead.


 10.2456, 0.2670,
0.1244


 10.2456, 0.2670,
0.1244


192.4161, 0.2996,
0.2260


 5.5621, 0.2555,
0.1017


 26.2564, 0.2814,
0.1599


 2.5807, 0.2388,
0.0754


 38.3526, 0.2860,
0.1738


 0.9170, 0.2139,
0.0460

 53.6884, 0.2896,
0.1857

 0.0000, 0.1789,
0.0000

 72.6482, 0.2925,
0.1960

 0.0000, 0.1126,
0.0000

 95.6165, 0.2948,
0.2049

 0.0000, 0.0000,
0.0000

 122.9777, 0.2967,

0.2128

155.1160, 0.2983,
0.2198

■ 10.2456, 0.2670,
0.1244

■ 10.2456, 0.2670,
0.1244

■ 10.2513, 0.2670,
0.1245

■ 11.1163, 0.2726,
0.1318

■ 12.4560, 0.2783,
0.1429

■ 14.4368, 0.2841,
0.1586

■ 17.1430, 0.2896,
0.1783

■ 20.6461, 0.2948,
0.2013

■ 25.0088, 0.2995,
0.2263

■ 30.2874, 0.3037,
0.2525

■ 36.5336, 0.3072,
0.2788

■ 43.7950, 0.3103,
0.3045

Harmonies

Analogous

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



10.2456, 0.1339, 0.0951



10.2456, 0.2670, 0.1244



10.2456, 0.4862, 0.1863

Triad

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



10.2456, 0.2670, 0.1244



10.2456, 0.5374, 0.4626



10.2456, 0.0577, 0.2560

Complementary

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



10.2456, 0.2670, 0.1244



37.7445, 0.3076, 0.5939

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.



10.2456, 0.1127, 0.5492



10.2456, 0.2670, 0.1244



10.2456, 0.3767, 0.6233

Square

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



10.2456, 0.2670, 0.1244



10.2456, 0.6554, 0.3446



10.2456, 0.2302, 0.7436



10.2456, 0.0512, 0.1329

Rectangle

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



10.2456, 0.2670, 0.1244



10.2456, 0.6194, 0.2376



10.2456, 0.2302, 0.7436



10.2456, 0.0687, 0.3342

Sweetspot

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



10.2513, 0.2670, 0.1245



53.7406, 0.3035, 0.2513



5.3757, 0.1562, 0.0822



10.8773, 0.3018, 0.2400



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.



10.2513, 0.2670, 0.1245



18.2444, 0.2662, 0.1240



12.8833, 0.4086, 0.2025



9.5902, 0.3104, 0.3062



6.7708, 0.2678, 0.1249



0.2915, 0.2812, 0.1323

Inverse Universe

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



11.2399, 0.6040, 0.3101



20.0955, 0.6074, 0.3120



37.5410, 0.2900, 0.5638



9.5690, 0.3255, 0.3241



7.3943, 0.6009, 0.3084



0.2995, 0.5336, 0.2713

Previews

White Background



This preview shows how the Yxy color 10.2456, 0.2670, 0.1244 looks on a white background.

Color Contrast Check

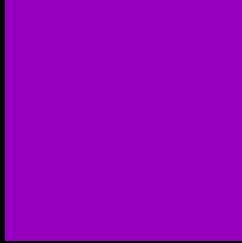
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.2456, 0.2670, 0.1244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

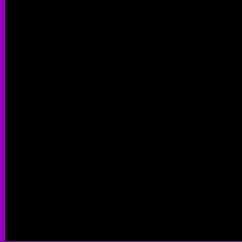
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2456, 0.2670, 0.1244

Background



This preview shows how black text looks on a background with the Yxy color 10.2456, 0.2670, 0.1244.



This preview shows how white text looks on a background with the Yxy color 10.2456, 0.2670, 0.1244.

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

10.2456, 0.2670, 0.1244

Protanopia

10.7756, 0.1747, 0.1488

Deuteranopia

10.9010, 0.1847, 0.1850



Tritanopia

10.6797, 0.4131, 0.3198

Trichromacy



Original Color

10.2456, 0.2670, 0.1244



Protanomaly

7.4126, 0.1783, 0.1081



Deuteranomaly

7.0999, 0.1843, 0.1208



Tritanomaly

9.0454, 0.3548, 0.2103

Monochromacy



Original Color

10.2456, 0.2670, 0.1244



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.4390, 0.2899, 0.1808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2456, 0.2670, 0.1244 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(150, 0, 191)` looks like.

```
.text, #text, p{  
  color:rgb(150, 0, 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(150, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 0, 191) }
```

Border

The CSS property to change the border of an element to Yxy 10.2456, 0.2670, 0.1244 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(150, 0, 191) }
```

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

```
.border{ border-color:rgb(150, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(150, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(150, 0,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2456, 0.2670, 0.1244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 0, 191) }
```

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

```
.background{ background-color: rgb(150, 0,  
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