

Converting Colors

$Y_{xy}(13.0609, 0.2504, 0.1142)$

Have a look what the booklet for
Yxy(13.0609, 0.2504, 0.1142)
contains.

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Color

Yxy(13.2775, 0.2505, 0.1154)

Conversions

Conversions Part 1

Format	Color
Hex	A300E2
RGB	163, 0, 226
RGB Percent	64%, 0%, 89%
CMY	0.3609, 0.9989, 0.1139
CMYK	0.28, 1.00, 0.00, 0.11
HSL	283°, 100%, 44%
HSV	283°, 100%, 89%
XYZ	28.8216, 13.2775, 72.9572
YIQ	74.5010, 24.6020, 104.8420

Conversions

Conversions Part 2

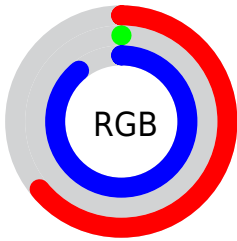
Format	Color
RYB	163, 0, 226
Decimal	10682594
CIELab	43.18, 80.84, -72.98
CIELCh	43, 108.906, 317.924
Yxy	13.2775, 0.2505, 0.1154
Android (android.graphics.Color)	4288872674 (0xFFA300E2)
YUV	74.5010, 74.6890, 77.6136
Hunter-Lab	36.4383, 77.4211, -93.2043

Details

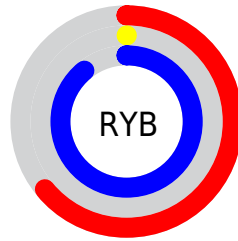
The Yxy color **13.2775, 0.2505, 0.1154** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **55.4298, 0.3117, 0.5907**, and the grayscale version is **6.8310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7244, 0.2895, 0.1659**, and **5.7481, 0.2258, 0.1018** is the 20% darker color. If you saturate the color by 10%, you get **13.2638, 0.2504, 0.1153**, and if you desaturate by 10%, it is **14.5618, 0.2577, 0.1233**.

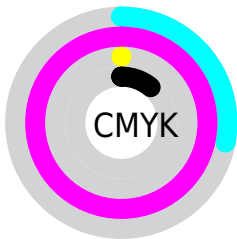
Distribution



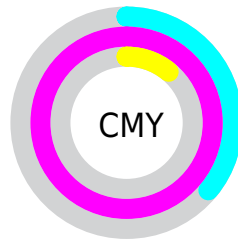
- Red (64%)
- Green (0%)
- Blue (89%)



- Red (64%)
- Yellow (0%)
- Blue (89%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)




- Cyan (36%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2775, 0.2505, 0.1154 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 13.2775, 0.2505, 0.1154 by changing the saturation by 10% instead.


 13.2775, 0.2505,
0.1154


 13.2775, 0.2505,
0.1154


212.6886, 0.2910,
0.2146

 7.6199, 0.2381,
0.0951


 31.8014, 0.2671,
0.1485


 3.8527, 0.2214,
0.0721


 45.4366, 0.2728,
0.1619

 1.5915, 0.1984,
0.0471


 62.4997, 0.2774,
0.1736

 0.3519, 0.1670,
0.0177

 83.3751, 0.2812,
0.1839

 0.0000, 0.1222,
0.0000

 108.4474, 0.2843,
0.1929

 0.0000, 0.0392,
0.0000

 138.1007, 0.2869,

 0.0000, 0.0000,

0.2010

0.0000

172.7197, 0.2891,
0.2082

■ 13.2775, 0.2505,
0.1154

■ 13.2775, 0.2505,
0.1154

■ 13.2638, 0.2504,
0.1153

■ 14.5618, 0.2577,
0.1233

■ 16.5824, 0.2653,
0.1354

■ 19.5614, 0.2729,
0.1523

■ 23.6277, 0.2804,
0.1733

■ 28.8899, 0.2875,
0.1976

■ 35.4433, 0.2940,
0.2239

■ 43.3734, 0.2998,
0.2511

■ 52.7582, 0.3049,
0.2782

■ 63.6699, 0.3092,
0.3045

Harmonies

Analogous

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



13.2775, 0.1219, 0.0886



13.2775, 0.2505, 0.1154



13.2775, 0.4749, 0.1754

Triad

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



13.2775, 0.2505, 0.1154



13.2775, 0.5513, 0.4487



13.2775, 0.0530, 0.2665

Complementary

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



13.2775, 0.2505, 0.1154



55.4298, 0.3117, 0.5907

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.



13.2775, 0.1106, 0.5889



13.2775, 0.2505, 0.1154



13.2775, 0.3838, 0.6162

Square

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



13.2775, 0.2505, 0.1154



13.2775, 0.6691, 0.3309



13.2775, 0.2311, 0.7630



13.2775, 0.0454, 0.1313

Rectangle

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



13.2775, 0.2505, 0.1154



13.2775, 0.6204, 0.2266



13.2775, 0.2311, 0.7630



13.2775, 0.0646, 0.3538

Sweetspot

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



13.2780, 0.2505, 0.1154



56.6939, 0.2997, 0.2502



9.1812, 0.1595, 0.0941



11.1438, 0.2973, 0.2387



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.



13.2780, 0.2505, 0.1154



17.3910, 0.2500, 0.1151



19.3427, 0.3855, 0.1898



13.7334, 0.3093, 0.3056



7.6332, 0.2515, 0.1159



0.5732, 0.2626, 0.1220

Inverse Universe

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



16.5280, 0.5863, 0.3004



21.7170, 0.5883, 0.3014



54.5892, 0.2941, 0.5787



13.7631, 0.3248, 0.3225



9.4469, 0.5827, 0.2983



0.6698, 0.5385, 0.2740

Previews

White Background



This preview shows how the Yxy color 13.2775, 0.2505, 0.1154 looks on a white background.

Color Contrast Check

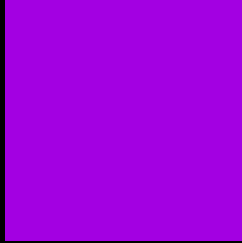
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.2775, 0.2505, 0.1154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

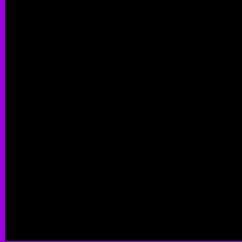
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.2775, 0.2505, 0.1154

Background



This preview shows how black text looks on a background with the Yxy color 13.2775, 0.2505, 0.1154.



This preview shows how white text looks on a background with the Yxy color 13.2775, 0.2505, 0.1154.

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

13.2775, 0.2505, 0.1154

Protanopia

13.8175, 0.1744, 0.1477

Deuteranopia

13.7270, 0.1848, 0.1851



Tritanopia

13.5565, 0.3902, 0.3165

Trichromacy



Original Color

13.2775, 0.2505, 0.1154



Protanomaly

9.5545, 0.1751, 0.1044



Deuteranomaly

9.1876, 0.1808, 0.1171



Tritanomaly

11.2955, 0.3301, 0.1967

Monochromacy



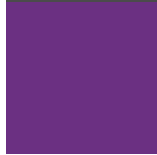
Original Color

13.2775, 0.2505, 0.1154



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.8514, 0.2798, 0.1719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2775, 0.2505, 0.1154 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(163, 0, 226)` looks like.

```
.text, #text, p{  
  color:rgb(163, 0, 226)  
}
```

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(163, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 226) }
```

Border

The CSS property to change the border of an element to Yxy 13.2775, 0.2505, 0.1154 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(163, 0, 226) }
```

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

```
.border{ border-color:rgb(163, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2775, 0.2505, 0.1154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 226) }
```

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

```
.background{ background-color: rgb(163, 0,  
226) }
```

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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