

Converting Colors

$Y_{xy}(13.0458, 0.3141, 0.1773)$

Have a look what the booklet for
Yxy(13.0458, 0.3141, 0.1773)
contains.

Yxy(13.0729, 0.3141, 0.1777)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0729, 0.3141, 0.1777)

Conversions

Conversions Part 1

Format	Color
Hex	A236A6
RGB	162, 54, 166
RGB Percent	64%, 21%, 65%
CMY	0.3646, 0.7884, 0.3490
CMYK	0.02, 0.67, 0.00, 0.35
HSL	298°, 51%, 43%
HSV	298°, 67%, 65%
XYZ	23.1075, 13.0729, 37.3869
YIQ	99.0600, 28.4160, 57.7280

Conversions

Conversions Part 2

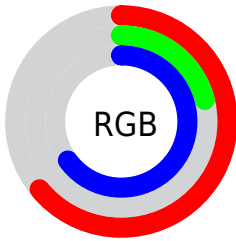
Format	Color
R_{YB}	162, 54, 166
Decimal	10630822
CIE _{Lab}	42.87, 58.30, -38.55
CIE _{LCh}	43, 69.890, 326.529
Yxy	13.0729, 0.3141, 0.1777
Android (android.graphics.Color)	4288820902 (0xFFA236A6)
YUV	99.0600, 33.0014, 55.1984
Hunter-Lab	36.1565, 50.8049, -35.9981

Details

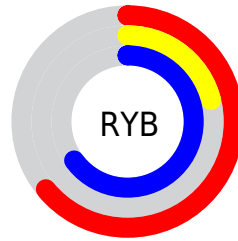
The Yxy color **13.0729, 0.3141, 0.1777** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.4405, 0.3050, 0.5405**, and the grayscale version is **12.4009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4268, 0.3164, 0.2064**, and **4.3181, 0.3082, 0.1472** is the 20% darker color. If you saturate the color by 10%, you get **11.7225, 0.3137, 0.1646**, and if you desaturate by 10%, it is **14.9520, 0.3143, 0.1947**.

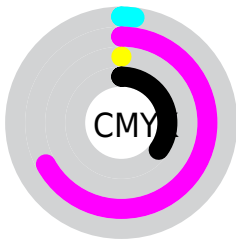
Distribution



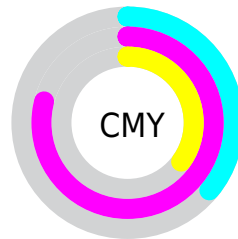
- Red (64%)
- Green (21%)
- Blue (65%)



- Red (64%)
- Yellow (21%)
- Blue (65%)



- Cyan (2%)
- Magenta (67%)
- Yellow (0%)
- Black (35%)





- Cyan (36%)
- Magenta (79%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0729, 0.3141, 0.1777 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 13.0729, 0.3141, 0.1777 by changing the saturation by 10% instead.


 13.0729, 0.3141,
0.1777


 13.0729, 0.3141,
0.1777


211.3843, 0.3171,
0.2570


 7.4788, 0.3116,
0.1575


 31.4347, 0.3164,
0.2070


 3.7633, 0.3070,
0.1319


 44.9711, 0.3168,
0.2179


 1.5420, 0.2982,
0.0991

 61.9238, 0.3171,
0.2271

 0.3180, 0.2845,
0.0437

 82.6771, 0.3172,
0.2349

 0.0000, 0.2406,
0.0000

 107.6154, 0.3173,
0.2416

 0.0000, 0.0000,
0.0000

 137.1231, 0.3173,

0.2474

171.5846, 0.3172,
0.2525

■ 13.0729, 0.3141,
0.1777

■ 13.0729, 0.3141,
0.1777

■ 11.7225, 0.3137,
0.1646

■ 14.9520, 0.3143,
0.1947

■ 10.8428, 0.3131,
0.1556

■ 17.4063, 0.3144,
0.2150

■ 10.3444, 0.3123,
0.1504

■ 20.4795, 0.3143,
0.2377

■ 10.2387, 0.3121,
0.1493

■ 24.2104, 0.3140,
0.2618

■ 28.6346, 0.3136,
0.2865

■ 33.7853, 0.3131,
0.3111

■ 39.6934, 0.3126,
0.3349

■ 46.3880, 0.3120,
0.3574

■ 53.8969, 0.3114,
0.3785

Harmonies

Analogous

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



13.0729, 0.1939, 0.1441



13.0729, 0.3141, 0.1777



13.0729, 0.4689, 0.2381

Triad

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



13.0729, 0.3141, 0.1777



13.0729, 0.4942, 0.4948



13.0729, 0.1059, 0.2604

Complementary

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



13.0729, 0.3141, 0.1777



28.4405, 0.3050, 0.5405

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.



13.0729, 0.1561, 0.4309



13.0729, 0.3141, 0.1777



13.0729, 0.3767, 0.5875

Square

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



13.0729, 0.3141, 0.1777



13.0729, 0.5727, 0.3942



13.0729, 0.2564, 0.5903



13.0729, 0.0995, 0.1716

Rectangle

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



13.0729, 0.3141, 0.1777



13.0729, 0.5507, 0.2869



13.0729, 0.2564, 0.5903



13.0729, 0.1169, 0.3085

Sweetspot

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



13.0735, 0.3141, 0.1777



49.5164, 0.3137, 0.2794



6.7239, 0.1866, 0.1255



10.5891, 0.3138, 0.2727



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.0735, 0.3141, 0.1777



20.3721, 0.3134, 0.1595



11.9951, 0.4049, 0.2408



7.6528, 0.3132, 0.3067



7.9429, 0.3122, 0.1494



0.1973, 0.3153, 0.1510

Inverse Universe

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



11.0486, 0.5230, 0.3245



16.5206, 0.5886, 0.3256



29.0672, 0.2735, 0.4498



7.5465, 0.3280, 0.3282



6.2981, 0.6352, 0.3273



0.1545, 0.6136, 0.3154

Previews

White Background



This preview shows how the Yxy color 13.0729, 0.3141, 0.1777 looks on a white background.

Color Contrast Check

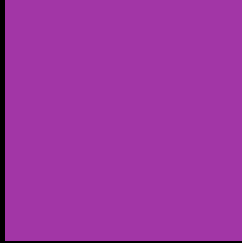
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0729, 0.3141, 0.1777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

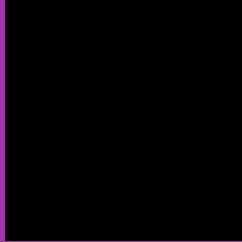
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0729, 0.3141, 0.1777

Background



This preview shows how black text looks on a background with the Yxy color 13.0729, 0.3141, 0.1777.



This preview shows how white text looks on a background with the Yxy color 13.0729, 0.3141, 0.1777.

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

13.0729, 0.3141, 0.1777

Protanopia

13.3828, 0.1756, 0.1475

Deuteranopia

13.3878, 0.2231, 0.2185



Tritanopia

13.0686, 0.4287, 0.3209

Trichromacy



Original Color

13.0729, 0.3141, 0.1777



Protanomaly

11.1138, 0.1928, 0.1426



Deuteranomaly

12.0735, 0.2469, 0.1922



Tritanomaly

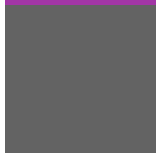
12.7893, 0.3864, 0.2601

Monochromacy



Original Color

13.0729, 0.3141, 0.1777



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.7541, 0.3148, 0.2518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0729, 0.3141, 0.1777 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(162, 54, 166)` looks like.

```
.text, #text, p{  
    color:rgb(162, 54, 166)  
}
```

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(162, 54, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 54, 166) }
```

Border

The CSS property to change the border of an element to Yxy 13.0729, 0.3141, 0.1777 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(162, 54, 166) }
```

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

```
.border{ border-color:rgb(162, 54, 166) }
```

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

Here you see how a box with a 4 pixel rgb(162, 54, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 54, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 54, 166);  
box-shadow:4px 4px 4px 4px rgb(162, 54,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0729, 0.3141, 0.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 54, 166) }
```

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

```
.background{ background-color: rgb(162, 54,  
166) }
```

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