

Converting Colors

$Y_{xy}(13.7253, 0.3765, 0.2348)$

Have a look what the booklet for
Yxy(13.7253, 0.3765, 0.2348)
contains.

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Color

Yxy(13.6078, 0.3765, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	A74182
RGB	167, 65, 130
RGB Percent	65%, 25%, 51%
CMY	0.3450, 0.7451, 0.4902
CMYK	0.00, 0.61, 0.22, 0.35
HSL	322°, 44%, 45%
HSV	322°, 61%, 65%
XYZ	21.8572, 13.6078, 22.5887
YIQ	102.9080, 39.9270, 41.8390

Conversions

Conversions Part 2

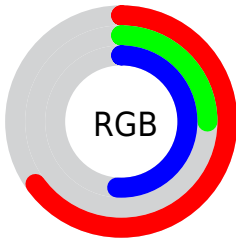
Format	Color
RYB	167, 65, 130
Decimal	10961282
CIELab	43.67, 49.15, -15.53
CIElCh	44, 51.546, 342.470
Yxy	13.6078, 0.3765, 0.2344
Android (android.graphics.Color)	4289151362 (0xFFA74182)
YUV	102.9080, 13.3564, 56.2087
Hunter-Lab	36.8888, 41.2091, -10.4839

Details

The Yxy color **13.6078, 0.3765, 0.2344** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **29.7259, 0.2810, 0.4540**, and the grayscale version is **13.4940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3833, 0.3626, 0.2548**, and **4.0388, 0.4015, 0.1986** is the 20% darker color. If you saturate the color by 10%, you get **11.8084, 0.3918, 0.2241**, and if you desaturate by 10%, it is **15.9850, 0.3623, 0.2477**.

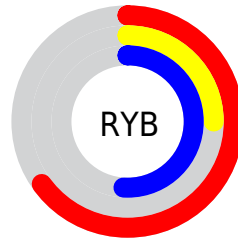
Distribution



Red (65%)

Green (25%)

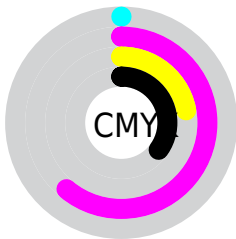
Blue (51%)



Red (65%)

Yellow (25%)

Blue (51%)

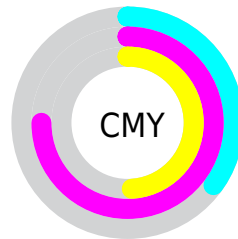


Cyan (0%)

Magenta (61%)

Yellow (22%)

Black (35%)



Cyan (35%)


Magenta (75%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6078, 0.3765, 0.2344 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 13.6078, 0.3765, 0.2344 by changing the saturation by 10% instead.


 13.6078, 0.3765,
0.2344


 13.6078, 0.3765,
0.2344


214.7771, 0.3402,
0.2872


 7.8484, 0.3873,
0.2192


 32.3915, 0.3621,
0.2550

 3.9981, 0.4025,
0.1984


 46.1846, 0.3571,
0.2623


 1.6725, 0.4250,
0.1685

 63.4243, 0.3530,
0.2683

 0.4058, 0.4712,
0.1047

 84.4951, 0.3496,
0.2733

 0.0000, 0.6236,
0.0000

 109.7814, 0.3467,
0.2776

 0.0000, 0.0000,
0.0000

139.6676, 0.3442,

0.2812

174.5380, 0.3421,
0.2844

■ 13.6078, 0.3765,
0.2344

■ 13.6078, 0.3765,
0.2344

■ 11.8084, 0.3918,
0.2241

■ 15.9850, 0.3623,
0.2477

■ 10.5330, 0.4077,
0.2179

■ 18.9835, 0.3496,
0.2630

■ 9.7210, 0.4238,
0.2166

■ 22.6449, 0.3384,
0.2792

■ 9.2658, 0.4380,
0.2186

■ 27.0067, 0.3287,
0.2957

■ 32.1034, 0.3204,
0.3119

■ 37.9673, 0.3134,
0.3274

■ 44.6290, 0.3075,
0.3420

■ 52.1170, 0.3026,
0.3556

■ 60.4586, 0.2985,
0.3682

Harmonies

Analogous

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



13.6078, 0.2681, 0.1927



13.6078, 0.3765, 0.2344



13.6078, 0.4783, 0.2944

Triad

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



13.6078, 0.3765, 0.2344



13.6078, 0.4209, 0.5057



13.6078, 0.1401, 0.2382

Complementary

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



13.6078, 0.3765, 0.2344



29.7259, 0.2810, 0.4540

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.



13.6078, 0.1661, 0.3360



13.6078, 0.3765, 0.2344



13.6078, 0.3256, 0.5299

Square

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



13.6078, 0.3765, 0.2344



13.6078, 0.4952, 0.4370



13.6078, 0.2319, 0.4609



13.6078, 0.1487, 0.1886

Rectangle

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



13.6078, 0.3765, 0.2344



13.6078, 0.5159, 0.3397



13.6078, 0.2319, 0.4609



13.6078, 0.1446, 0.2652

Sweetspot

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



13.6085, 0.3765, 0.2344



50.7411, 0.3262, 0.3002



9.3202, 0.2323, 0.1524



10.8104, 0.3287, 0.2956



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.



13.6085, 0.3765, 0.2344



20.3069, 0.3969, 0.2216



12.5808, 0.4713, 0.3074



7.6197, 0.3190, 0.3147



7.0987, 0.4365, 0.2178



0.1820, 0.3897, 0.1921

Inverse Universe

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



13.6085, 0.3765, 0.2344



20.3069, 0.3969, 0.2216



31.0237, 0.2485, 0.3562



7.6197, 0.3190, 0.3147



7.0987, 0.4365, 0.2178



0.1820, 0.3897, 0.1921

Previews

White Background



This preview shows how the Yxy color 13.6078, 0.3765, 0.2344 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 13.6078, 0.3765, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

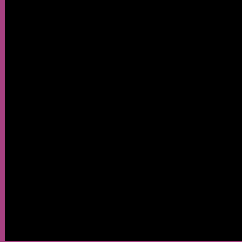
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6078, 0.3765, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 13.6078, 0.3765, 0.2344.



This preview shows how white text looks on a background with the Yxy color 13.6078, 0.3765, 0.2344.

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

13.6078, 0.3765, 0.2344

Protanopia

13.8562, 0.2326, 0.2210

Deuteranopia

13.9010, 0.2877, 0.2836



Tritanopia

13.7035, 0.4527, 0.3217

Trichromacy



Original Color

13.6078, 0.3765, 0.2344

Protanomaly

12.8603, 0.2716, 0.2203

Deuteranomaly

13.1631, 0.3175, 0.2597

Tritanomaly

13.5585, 0.4255, 0.2893

Monochromacy



Original Color

13.6078, 0.3765, 0.2344

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.7726, 0.3352, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6078, 0.3765, 0.2344 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(167, 65, 130)` looks like.

```
.text, #text, p{  
  color:rgb(167, 65, 130)  
}
```

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(167, 65, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 65, 130) }
```

Border

The CSS property to change the border of an element to Yxy 13.6078, 0.3765, 0.2344 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(167, 65, 130) }
```

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

```
.border{ border-color:rgb(167, 65, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 65, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 65, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 65, 130);  
box-shadow:4px 4px 4px 4px rgb(167, 65,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6078, 0.3765, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 65, 130) }
```

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

```
.background{ background-color: rgb(167, 65,  
130) }
```

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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