

Converting Colors

$Y_{xy}(13.6731, 0.3510, 0.2397)$

Have a look what the booklet for
Yxy(13.6731, 0.3510, 0.2397)
contains.

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Color

Yxy(13.7049, 0.3510, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	9A4C84
RGB	154, 76, 132
RGB Percent	60%, 30%, 52%
CMY	0.3960, 0.7020, 0.4823
CMYK	0.00, 0.51, 0.14, 0.40
HSL	317°, 34%, 45%
HSV	317°, 51%, 60%
XYZ	20.0769, 13.7049, 23.4173
YIQ	105.7060, 28.5120, 33.9520

Conversions

Conversions Part 2

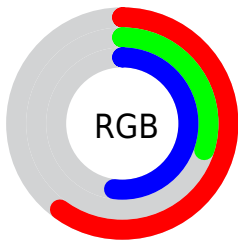
Format	Color
R_{YB}	154, 76, 132
Decimal	10112132
CIE _{Lab}	43.81, 39.99, -16.71
CIE _{LCh}	44, 43.340, 337.319
Yxy	13.7049, 0.3510, 0.2396
Android (android.graphics.Color)	4288302212 (0xFF9A4C84)
YUV	105.7060, 12.9629, 42.3538
Hunter-Lab	37.0201, 32.0195, -11.5902

Details

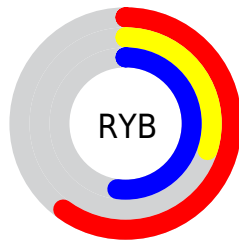
The Yxy color **13.7049, 0.3510, 0.2396** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.5323, 0.2893, 0.4411**, and the grayscale version is **14.2869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6428, 0.3427, 0.2598**, and **4.0712, 0.3675, 0.2067** is the 20% darker color. If you saturate the color by 10%, you get **11.7151, 0.3615, 0.2247**, and if you desaturate by 10%, it is **16.2090, 0.3414, 0.2565**.

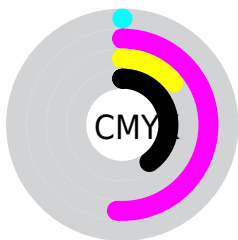
Distribution



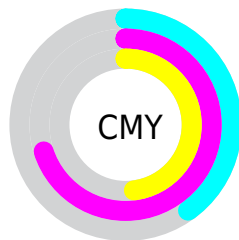
- Red (60%)
- Green (30%)
- Blue (52%)



- Red (60%)
- Yellow (30%)
- Blue (52%)



- Cyan (0%)
- Magenta (51%)
- Yellow (14%)
- Black (40%)





- Cyan (40%)
- Magenta (70%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7049, 0.3510, 0.2396 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 13.7049, 0.3510, 0.2396 by changing the saturation by 10% instead.


 13.7049, 0.3510,
0.2396


 13.7049, 0.3510,
0.2396


215.3872, 0.3297,
0.2897

 7.9157, 0.3571,
0.2251


 32.5645, 0.3427,
0.2592


 4.0411, 0.3655,
0.2051


 46.4037, 0.3397,
0.2661


 1.6966, 0.3775,
0.1762

 63.6950, 0.3373,
0.2718

 0.4214, 0.4038,
0.1136

 84.8228, 0.3353,
0.2766

 0.0000, 0.4348,
0.0000

 110.1716, 0.3336,
0.2806

 0.0000, 0.0000,
0.0000

140.1256, 0.3321,

0.2840

175.0694, 0.3308,
0.2870

■ 13.7049, 0.3510,
0.2396

■ 13.7049, 0.3510,
0.2396

■ 11.7151, 0.3615,
0.2247

■ 16.2090, 0.3414,
0.2565

■ 10.2006, 0.3727,
0.2128

■ 19.2586, 0.3327,
0.2744

■ 9.1202, 0.3843,
0.2048

■ 22.8848, 0.3252,
0.2927

■ 8.4248, 0.3958,
0.2013

■ 27.1159, 0.3186,
0.3106

■ 8.0089, 0.4065,
0.2013

■ 31.9782, 0.3131,
0.3279

■ 37.4964, 0.3083,
0.3442

■ 43.6941, 0.3043,
0.3595

■ 50.5934, 0.3010,
0.3736

■ 58.2156, 0.2982,
0.3867

Harmonies

Analogous

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



13.7049, 0.2618, 0.2058



13.7049, 0.3510, 0.2396



13.7049, 0.4398, 0.2913

Triad

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



13.7049, 0.3510, 0.2396



13.7049, 0.4228, 0.4747



13.7049, 0.1639, 0.2653

Complementary

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



13.7049, 0.3510, 0.2396



25.5323, 0.2893, 0.4411

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.



13.7049, 0.1948, 0.3542



13.7049, 0.3510, 0.2396



13.7049, 0.3426, 0.4976

Square

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



13.7049, 0.3510, 0.2396



13.7049, 0.4787, 0.4171



13.7049, 0.2589, 0.4517



13.7049, 0.1658, 0.2133

Rectangle

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



13.7049, 0.3510, 0.2396



13.7049, 0.4786, 0.3316



13.7049, 0.2589, 0.4517



13.7049, 0.1704, 0.2913

Sweetspot

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



13.7055, 0.3510, 0.2396



45.5406, 0.3216, 0.3024



10.0326, 0.2416, 0.1819



9.9694, 0.3229, 0.2988



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



13.7055, 0.3510, 0.2396



20.7915, 0.3633, 0.2226



12.8513, 0.4176, 0.2991



6.2939, 0.3178, 0.3132



6.5306, 0.4057, 0.2008



0.1037, 0.3614, 0.1765

Inverse Universe

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



13.7055, 0.3510, 0.2396



20.7915, 0.3633, 0.2226



26.4224, 0.2609, 0.3634



6.2939, 0.3178, 0.3132



6.5306, 0.4057, 0.2008



0.1037, 0.3614, 0.1765

Previews

White Background



This preview shows how the Yxy color 13.7049, 0.3510, 0.2396 looks on a white background.

Color Contrast Check

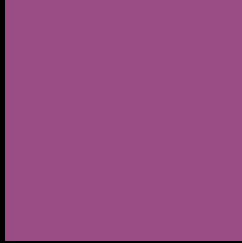
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7049, 0.3510, 0.2396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

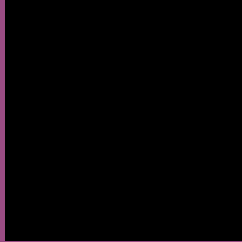
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7049, 0.3510, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 13.7049, 0.3510, 0.2396.



This preview shows how white text looks on a background with the Yxy color 13.7049, 0.3510, 0.2396.

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

13.7049, 0.3510, 0.2396

Protanopia

13.8444, 0.2411, 0.2311

Deuteranopia

13.8860, 0.2805, 0.2757



Tritanopia

13.7364, 0.4113, 0.3190

Trichromacy



Original Color

13.7049, 0.3510, 0.2396

Protanomaly

13.3178, 0.2729, 0.2314

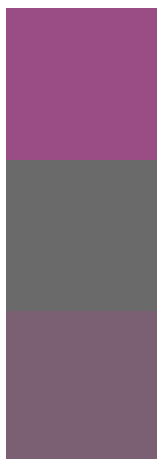
Deuteranomaly

13.4786, 0.3044, 0.2603

Tritanomaly

13.6545, 0.3883, 0.2884

Monochromacy



Original Color

13.7049, 0.3510, 0.2396

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.6332, 0.3265, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7049, 0.3510, 0.2396 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(154, 76, 132)` looks like.

```
.text, #text, p{  
    color:rgb(154, 76, 132)  
}
```

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(154, 76, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 76, 132) }
```

Border

The CSS property to change the border of an element to Yxy 13.7049, 0.3510, 0.2396 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(154, 76, 132) }
```

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

```
.border{ border-color:rgb(154, 76, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 76, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 76, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 76, 132); box-shadow:4px 4px 4px 4px rgb(154, 76, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7049, 0.3510, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 76, 132) }
```

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

```
.background{ background-color: rgb(154, 76,  
132) }
```

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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