

Converting Colors

$Y_{xy}(14.2302, 0.2746, 0.1508)$

Have a look what the booklet for
Yxy(14.2302, 0.2746, 0.1508)
contains.

Yxy(14.2372, 0.2749, 0.1508)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.2372, 0.2749, 0.1508)

Conversions

Conversions Part 1

Format	Color
Hex	A037C5
RGB	160, 55, 197
RGB Percent	63%, 22%, 77%
CMY	0.3723, 0.7846, 0.2273
CMYK	0.19, 0.72, 0.00, 0.23
HSL	284°, 56%, 49%
HSV	284°, 72%, 77%
XYZ	25.9536, 14.2372, 54.2203
YIQ	102.5830, 16.9980, 66.4220

Conversions

Conversions Part 2

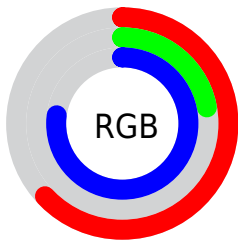
Format	Color
R_{YB}	160, 55, 197
Decimal	10500037
CIE _{Lab}	44.57, 63.30, -54.09
CIE _{LCh}	45, 83.263, 319.485
Yxy	14.2372, 0.2749, 0.1508
Android (android.graphics.Color)	4288690117 (0xFFA037C5)
YUV	102.5830, 46.5476, 50.3547
Hunter-Lab	37.7322, 56.7476, -58.7858

Details

The Yxy color **14.2372, 0.2749, 0.1508** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **42.4897, 0.3212, 0.5445**, and the grayscale version is **13.3132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4301, 0.2862, 0.1823**, and **4.8961, 0.2554, 0.1181** is the 20% darker color. If you saturate the color by 10%, you get **12.2102, 0.2679, 0.1352**, and if you desaturate by 10%, it is **17.0335, 0.2818, 0.1707**.

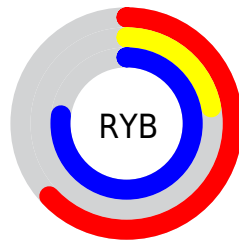
Distribution



Red (63%)

Green (22%)

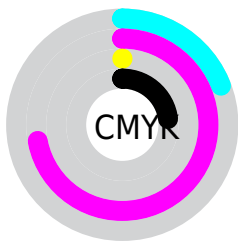
Blue (77%)



Red (63%)

Yellow (22%)

Blue (77%)

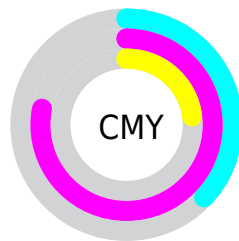


Cyan (19%)

Magenta (72%)

Yellow (0%)

Black (23%)



Cyan (37%)

Magenta (78%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2372, 0.2749, 0.1508 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 14.2372, 0.2749, 0.1508 by changing the saturation by 10% instead.


 14.2372, 0.2749,
0.1508


 14.2372, 0.2749,
0.1508


218.7015, 0.3008,
0.2394


 8.2858, 0.2661,
0.1303


 33.5093, 0.2860,
0.1821


 4.2784, 0.2535,
0.1056


 47.5988, 0.2897,
0.1942

 1.8305, 0.2346,
0.0761

 65.1699, 0.2926,
0.2045

 0.5061, 0.2060,
0.0391

 86.6068, 0.2949,
0.2134

 0.0000, 0.1601,
0.0000

 112.2941, 0.2968,
0.2212

 0.0000, 0.0000,
0.0000

142.6160, 0.2984,

0.2280

177.9570, 0.2997,
0.2340

■ 14.2372, 0.2749,
0.1508

■ 14.2372, 0.2749,
0.1508

■ 12.2102, 0.2679,
0.1352

■ 17.0335, 0.2818,
0.1707

■ 10.8556, 0.2609,
0.1242

■ 20.6773, 0.2884,
0.1939

■ 10.1236, 0.2556,
0.1182

■ 25.2386, 0.2945,
0.2194

■ 30.7798, 0.2999,
0.2460

■ 37.3577, 0.3047,
0.2728

■ 45.0246, 0.3087,
0.2990

■ 53.8293, 0.3121,
0.3239

■ 63.8176, 0.3148,
0.3472

■ 75.0329, 0.3171,
0.3688

Harmonies

Analogous

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



14.2372, 0.1582, 0.1229



14.2372, 0.2749, 0.1508



14.2372, 0.4497, 0.2087

Triad

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



14.2372, 0.2749, 0.1508



14.2372, 0.5297, 0.4703



14.2372, 0.0920, 0.2830

Complementary

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



14.2372, 0.2749, 0.1508



42.4897, 0.3212, 0.5445

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.



14.2372, 0.1547, 0.5033



14.2372, 0.2749, 0.1508



14.2372, 0.4041, 0.5959

Square

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



14.2372, 0.2749, 0.1508



14.2372, 0.6106, 0.3651



14.2372, 0.2692, 0.6514



14.2372, 0.0791, 0.1671

Rectangle

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



14.2372, 0.2749, 0.1508



14.2372, 0.5575, 0.2582



14.2372, 0.2692, 0.6514



14.2372, 0.1062, 0.3469

Sweetspot

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



14.2378, 0.2749, 0.1508



66.6177, 0.3046, 0.2723



12.6389, 0.1882, 0.1529



13.5265, 0.3033, 0.2649



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.



14.2378, 0.2749, 0.1508



20.2266, 0.2635, 0.1278



17.2746, 0.3652, 0.2030



10.6725, 0.3097, 0.3059



6.6986, 0.2565, 0.1187



0.3507, 0.2705, 0.1264

Inverse Universe

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



15.3696, 0.4932, 0.2880



23.1088, 0.5542, 0.2933



41.4613, 0.2885, 0.5132



10.6815, 0.3249, 0.3230



7.9780, 0.5876, 0.3010



0.3900, 0.5262, 0.2672

Previews

White Background



This preview shows how the Yxy color 14.2372, 0.2749, 0.1508 looks on a white background.

Color Contrast Check

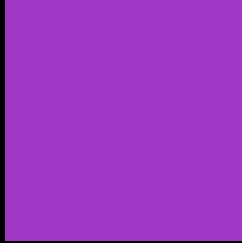
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2372, 0.2749, 0.1508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

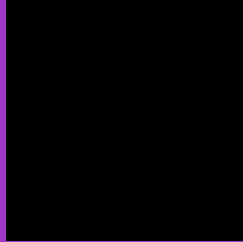
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2372, 0.2749, 0.1508

Background



This preview shows how black text looks on a background with the Yxy color 14.2372, 0.2749, 0.1508.



This preview shows how white text looks on a background with the Yxy color 14.2372, 0.2749, 0.1508.

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

14.2372, 0.2749, 0.1508

Protanopia

14.4606, 0.1741, 0.1469

Deuteranopia

14.6473, 0.1893, 0.1848



Tritanopia

14.1951, 0.3903, 0.3168

Trichromacy



Original Color

14.2372, 0.2749, 0.1508



Protanomaly

12.0000, 0.1828, 0.1329



Deuteranomaly

12.5260, 0.2027, 0.1576



Tritanomaly

13.4852, 0.3432, 0.2378

Monochromacy



Original Color

14.2372, 0.2749, 0.1508



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

12.7468, 0.2982, 0.2353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2372, 0.2749, 0.1508 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(160, 55, 197)` looks like.

```
.text, #text, p{  
    color:rgb(160, 55, 197)  
}
```

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(160, 55, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 55, 197) }
```

Border

The CSS property to change the border of an element to Yxy 14.2372, 0.2749, 0.1508 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(160, 55, 197) }
```

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

```
.border{ border-color:rgb(160, 55, 197) }
```

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

Here you see how a box with a 4 pixel rgb(160, 55, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 55, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 55, 197);  
box-shadow:4px 4px 4px 4px rgb(160, 55,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2372, 0.2749, 0.1508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 55, 197) }
```

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

```
.background{ background-color: rgb(160, 55,  
197) }
```

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