

Converting Colors

$Y_{xy}(14.3709, 0.2067, 0.1236)$

Have a look what the booklet for
Yxy(14.3709, 0.2067, 0.1236)
contains.

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Color

Yxy(14.3012, 0.2063, 0.1232)

Conversions

Conversions Part 1

Format	Color
Hex	724AE8
RGB	114, 74, 232
RGB Percent	45%, 29%, 91%
CMY	0.5531, 0.7097, 0.0902
CMYK	0.51, 0.68, 0.00, 0.09
HSL	255°, 77%, 60%
HSV	255°, 68%, 91%
XYZ	23.9475, 14.3012, 77.8324
YIQ	103.9720, -26.8780, 57.6180

Conversions

Conversions Part 2

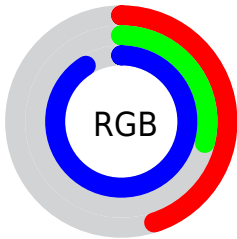
Format	Color
R_{YB}	114, 74, 232
Decimal	7490280
CIE _{Lab}	44.66, 54.33, -74.24
CIE _{LCh}	45, 91.991, 306.196
Yxy	14.3012, 0.2063, 0.1232
Android (android.graphics.Color)	4285680360 (0xFF724AE8)
YUV	103.9720, 63.1178, 8.7946
Hunter-Lab	37.8169, 46.8554, -95.5551

Details

The Yxy color **14.3012, 0.2063, 0.1232** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **69.4153, 0.3746, 0.5015**, and the grayscale version is **13.6703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8859, 0.2490, 0.1795**, and **4.3123, 0.1693, 0.0792** is the 20% darker color. If you saturate the color by 10%, you get **10.6991, 0.1899, 0.0985**, and if you desaturate by 10%, it is **19.2659, 0.2242, 0.1528**.

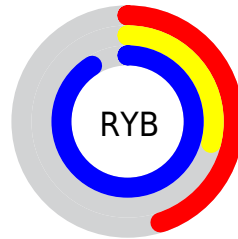
Distribution



Red (45%)

Green (29%)

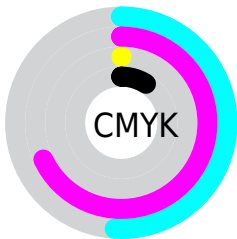
Blue (91%)



Red (45%)

Yellow (29%)

Blue (91%)

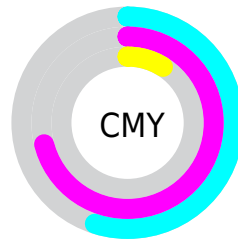


Cyan (51%)

Magenta (68%)

Yellow (0%)

Black (9%)



Cyan (55%)


Magenta (71%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3012, 0.2063, 0.1232 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 14.3012, 0.2063, 0.1232 by changing the saturation by 10% instead.


 14.3012, 0.2063,
0.1232


 14.3012, 0.2063,
0.1232


219.0966, 0.2674,
0.2210

 8.3305, 0.1900,
0.1026


 33.6225, 0.2296,
0.1563


 4.3071, 0.1690,
0.0791


 47.7419, 0.2381,
0.1695

 1.8468, 0.1420,
0.0532

 65.3462, 0.2452,
0.1811

 0.5161, 0.1077,
0.0248

 86.8200, 0.2511,
0.1911

 0.0000, 0.0660,
0.0000

 112.5475, 0.2561,
0.2000

 0.0000, 0.0000,
0.0000

142.9132, 0.2604,

0.2078

178.3014, 0.2641,
0.2148

■ 14.3012, 0.2063,
0.1232

■ 14.3012, 0.2063,
0.1232

■ 10.6991, 0.1899,
0.0985

■ 19.2659, 0.2242,
0.1528

■ 8.3133, 0.1760,
0.0803

■ 25.7160, 0.2423,
0.1851


■ 6.9443, 0.1654,
0.0692

■ 33.7618, 0.2599,
0.2183


■ 6.7443, 0.1637,
0.0675


■ 43.5025, 0.2761,
0.2505

■ 55.0292, 0.2907,
0.2808

 68.4262, 0.3036,
0.3086

 83.7727, 0.3147,
0.3336

 98.1598, 0.3247,
0.3514

 98.6055, 0.3262,
0.3513

Harmonies

Analogous

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



14.3012, 0.1151, 0.1083



14.3012, 0.2063, 0.1232



14.3012, 0.3718, 0.1694

Triad

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



14.3012, 0.2063, 0.1232



14.3012, 0.5860, 0.4140



14.3012, 0.0971, 0.3717

Complementary

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



14.3012, 0.2063, 0.1232



69.4153, 0.3746, 0.5015

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.



14.3012, 0.1866, 0.6295



14.3012, 0.2063, 0.1232



14.3012, 0.4584, 0.5416

Square

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



14.3012, 0.2063, 0.1232



14.3012, 0.6422, 0.3192



14.3012, 0.3180, 0.6729



14.3012, 0.0675, 0.1935

Rectangle

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



14.3012, 0.2063, 0.1232



14.3012, 0.5057, 0.2158



14.3012, 0.3180, 0.6729



14.3012, 0.1198, 0.4611

Sweetspot

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



14.3016, 0.2063, 0.1232



65.1408, 0.2879, 0.2749



45.2009, 0.2207, 0.2745



13.0575, 0.2839, 0.2664



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.



14.3016, 0.2063, 0.1232



11.8050, 0.1835, 0.0897



21.9987, 0.2789, 0.1578



14.0623, 0.3019, 0.3050



3.7951, 0.1650, 0.0683



0.3238, 0.1797, 0.0764

Inverse Universe

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



25.8638, 0.3660, 0.2092



27.4774, 0.3809, 0.1979



61.7462, 0.3210, 0.5361



14.5497, 0.3176, 0.3116



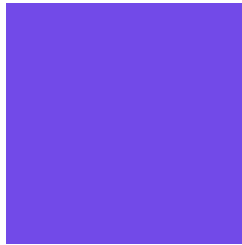
11.2282, 0.3970, 0.1961



0.8445, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 14.3012, 0.2063, 0.1232 looks on a white background.

Color Contrast Check

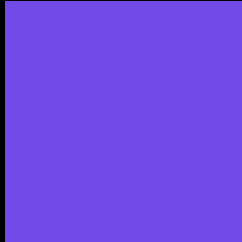
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3012, 0.2063, 0.1232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

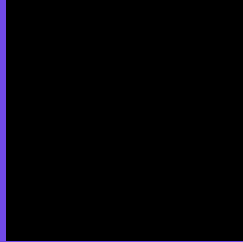
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3012, 0.2063, 0.1232

Background



This preview shows how black text looks on a background with the Yxy color 14.3012, 0.2063, 0.1232.



This preview shows how white text looks on a background with the Yxy color 14.3012, 0.2063, 0.1232.

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

14.3012, 0.2063, 0.1232

Protanopia

14.4090, 0.1744, 0.1476

Deuteranopia

14.2279, 0.1852, 0.1866



Tritanopia

14.1892, 0.2658, 0.3088

Trichromacy



Original Color

14.3012, 0.2063, 0.1232



Protanomaly

13.3462, 0.1758, 0.1319



Deuteranomaly

13.1014, 0.1823, 0.1516



Tritanomaly

13.3628, 0.2370, 0.2106

Monochromacy



Original Color

14.3012, 0.2063, 0.1232



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.2512, 0.2616, 0.2211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3012, 0.2063, 0.1232 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(114, 74, 232)` looks like.

```
.text, #text, p{  
    color:rgb(114, 74, 232)  
}
```

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(114, 74, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 74, 232) }
```

Border

The CSS property to change the border of an element to Yxy 14.3012, 0.2063, 0.1232 is called "border". The border property can be set on classes, ids or directly on the HTML element.

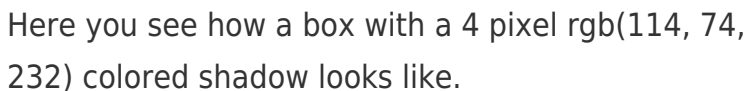
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 74, 232) }
```

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

```
.border{ border-color:rgb(114, 74, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 74, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 74, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 74, 232); box-shadow:4px 4px 4px 4px rgb(114, 74, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3012, 0.2063, 0.1232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 74, 232) }
```

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

```
.background{ background-color: rgb(114, 74,  
232) }
```

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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