

Converting Colors

$Y_{xy}(14.4420, 0.3186, 0.2032)$

Have a look what the booklet for
Yxy(14.4420, 0.3186, 0.2032)
contains.

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Color

Yxy(14.3725, 0.3186, 0.2027)

Conversions

Conversions Part 1

Format	Color
Hex	9E489E
RGB	158, 72, 158
RGB Percent	62%, 28%, 62%
CMY	0.3804, 0.7176, 0.3803
CMYK	0.00, 0.54, 0.00, 0.38
HSL	300°, 37%, 45%
HSV	300°, 54%, 62%
XYZ	22.5904, 14.3725, 33.9424
YIQ	107.5180, 23.6500, 44.9780

Conversions

Conversions Part 2

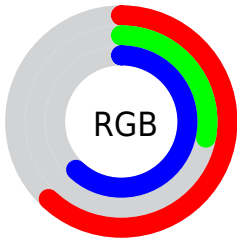
Format	Color
RYB	158, 72, 158
Decimal	10373278
CIELab	44.76, 47.81, -30.85
CIELCh	45, 56.897, 327.170
Yxy	14.3725, 0.3186, 0.2027
Android (android.graphics.Color)	4288563358 (0xFF9E489E)
YUV	107.5180, 24.8876, 44.2727
Hunter-Lab	37.9111, 40.0200, -26.5455

Details

The Yxy color **14.3725, 0.3186, 0.2027** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **26.3091, 0.3048, 0.4988**, and the grayscale version is **14.7794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9184, 0.3194, 0.2287**, and **4.3253, 0.3161, 0.1612** is the 20% darker color. If you saturate the color by 10%, you get **12.5853, 0.3194, 0.1853**, and if you desaturate by 10%, it is **16.6861, 0.3176, 0.2232**.

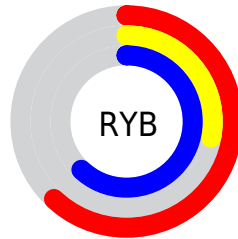
Distribution



Red (62%)

Green (28%)

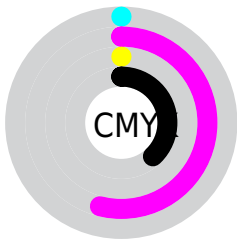
Blue (62%)



Red (62%)

Yellow (28%)

Blue (62%)

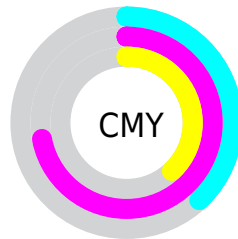


Cyan (0%)

Magenta (54%)

Yellow (0%)

Black (38%)



Cyan (38%)


Magenta (72%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.3725, 0.3186, 0.2027 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 14.3725, 0.3186, 0.2027 by changing the saturation by 10% instead.


 14.3725, 0.3186,
0.2027


 14.3725, 0.3186,
0.2027


219.5360, 0.3178,
0.2702


 8.3802, 0.3177,
0.1847

 33.7485, 0.3190,
0.2282


 4.3392, 0.3156,
0.1613


 47.9010, 0.3190,
0.2375

 1.8650, 0.3108,
0.1298

 65.5424, 0.3188,
0.2452

 0.5272, 0.3017,
0.0808

 87.0570, 0.3186,
0.2518

 0.0000, 0.2729,
0.0000

 112.8293, 0.3184,
0.2574

 0.0000, 0.0000,
0.0000

143.2437, 0.3182,

0.2623

178.6844, 0.3180,
0.2665

■ 14.3725, 0.3186,
0.2027

■ 14.3725, 0.3186,
0.2027

■ 12.5853, 0.3194,
0.1853

■ 16.6861, 0.3176,
0.2232

■ 11.2816, 0.3200,
0.1716

■ 19.5609, 0.3166,
0.2459

■ 10.4146, 0.3205,
0.1620

■ 23.0311, 0.3155,
0.2699

■ 9.9268, 0.3207,
0.1563

■ 27.1275, 0.3143,
0.2943

■ 9.7357, 0.3208,
0.1541

■ 31.8788, 0.3132,
0.3185

■ 37.3118, 0.3121,
0.3419

■ 43.4522, 0.3111,
0.3640

■ 50.3239, 0.3101,
0.3846

■ 57.9499, 0.3092,
0.4037

Harmonies

Analogous

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



14.3725, 0.2171, 0.1720



14.3725, 0.3186, 0.2027



14.3725, 0.4402, 0.2569

Triad

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



14.3725, 0.3186, 0.2027



14.3725, 0.4705, 0.4795



14.3725, 0.1380, 0.2766

Complementary

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



14.3725, 0.3186, 0.2027



26.3091, 0.3048, 0.4988

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.



14.3725, 0.1855, 0.4065



14.3725, 0.3186, 0.2027



14.3725, 0.3765, 0.5420

Square

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



14.3725, 0.3186, 0.2027



14.3725, 0.5305, 0.3996



14.3725, 0.2730, 0.5259



14.3725, 0.1301, 0.1994

Rectangle

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



14.3725, 0.3186, 0.2027



14.3725, 0.5044, 0.3014



14.3725, 0.2730, 0.5259



14.3725, 0.1490, 0.3151

Sweetspot

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



14.3731, 0.3186, 0.2027



47.7621, 0.3145, 0.2897



8.6698, 0.2109, 0.1625



10.4340, 0.3148, 0.2850



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



14.3731, 0.3186, 0.2027



22.3498, 0.3195, 0.1825



13.1780, 0.3847, 0.2586



6.7545, 0.3137, 0.3070



7.7946, 0.3208, 0.1541



0.1394, 0.3209, 0.1541

Inverse Universe

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



12.3749, 0.4683, 0.3294



18.3456, 0.5232, 0.3296



27.0454, 0.2755, 0.4159



6.6462, 0.3284, 0.3290



5.8219, 0.6400, 0.3299



0.1041, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 14.3725, 0.3186, 0.2027 looks on a white background.

Color Contrast Check

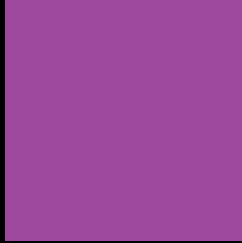
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3725, 0.3186, 0.2027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

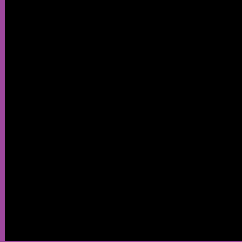
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.3725, 0.3186, 0.2027

Background



This preview shows how black text looks on a background with the Yxy color 14.3725, 0.3186, 0.2027.



This preview shows how white text looks on a background with the Yxy color 14.3725, 0.3186, 0.2027.

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

14.3725, 0.3186, 0.2027

Protanopia

14.7110, 0.2048, 0.1852

Deuteranopia

14.4940, 0.2430, 0.2374



Tritanopia

14.2897, 0.4025, 0.3172

Trichromacy



Original Color

14.3725, 0.3186, 0.2027

Protanomaly

13.5556, 0.2321, 0.1847

Deuteranomaly

13.7392, 0.2658, 0.2189

Tritanomaly

14.1149, 0.3708, 0.2695

Monochromacy



Original Color

14.3725, 0.3186, 0.2027

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.1264, 0.3155, 0.2707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3725, 0.3186, 0.2027 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(158, 72, 158)` looks like.

```
.text, #text, p{  
    color:rgb(158, 72, 158)  
}
```

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(158, 72, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 72, 158) }
```

Border

The CSS property to change the border of an element to Yxy 14.3725, 0.3186, 0.2027 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(158, 72, 158) }
```

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

```
.border{ border-color:rgb(158, 72, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 72, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 72, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 72, 158);  
box-shadow:4px 4px 4px 4px rgb(158, 72,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 14.3725, 0.3186, 0.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 72, 158) }
```

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

```
.background{ background-color: rgb(158, 72,  
158) }
```

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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