

Converting Colors

$Y_{xy}(24.7591, 0.3196, 0.2613)$

Have a look what the booklet for
Yxy(24.7591, 0.3196, 0.2613)
contains.

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Color

Yxy(24.7690, 0.3194, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	AA78A7
RGB	170, 120, 167
RGB Percent	67%, 47%, 65%
CMY	0.3332, 0.5295, 0.3451
CMYK	0.00, 0.29, 0.02, 0.33
HSL	304°, 23%, 57%
HSV	304°, 29%, 67%
XYZ	30.2764, 24.7690, 39.7460
YIQ	140.3080, 14.7130, 25.2170

Conversions

Conversions Part 2

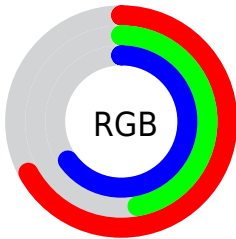
Format	Color
RYB	170, 120, 167
Decimal	11172007
CIELab	56.85, 27.47, -17.33
CIELCh	57, 32.479, 327.747
Yxy	24.7690, 0.3194, 0.2613
Android (android.graphics.Color)	4289362087 (0xFFAA78A7)
YUV	140.3080, 13.1592, 26.0399
Hunter-Lab	49.7685, 21.4947, -12.5122

Details

The Yxy color **24.7690, 0.3194, 0.2613** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.1888, 0.3064, 0.4076**, and the grayscale version is **26.2962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3298, 0.3186, 0.2749**, and **9.4000, 0.3204, 0.2386** is the 20% darker color. If you saturate the color by 10%, you get **20.9994, 0.3220, 0.2388**, and if you desaturate by 10%, it is **29.2674, 0.3169, 0.2845**.

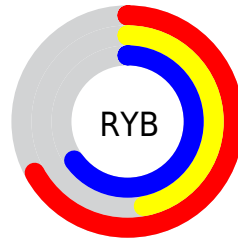
Distribution



Red (67%)

Green (47%)

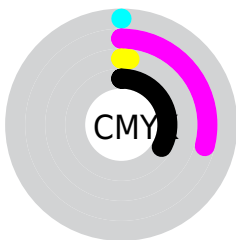
Blue (65%)



Red (67%)

Yellow (47%)

Blue (65%)

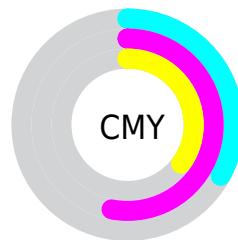


Cyan (0%)

Magenta (29%)

Yellow (2%)

Black (33%)



Cyan (33%)


Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7690, 0.3194, 0.2613 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 24.7690, 0.3194, 0.2613 by changing the saturation by 10% instead.


 24.7690, 0.3194,
0.2613


 24.7690, 0.3194,
0.2613


276.6856, 0.3165,
0.2968


 15.9050, 0.3199,
0.2519


 51.2822, 0.3185,
0.2746

 9.4570, 0.3205,
0.2396


 69.7003, 0.3181,
0.2794

 5.0404, 0.3209,
0.2227


 92.0718, 0.3177,
0.2835

 2.2710, 0.3208,
0.1983

118.7812, 0.3174,
0.2870

 0.7583, 0.3191,
0.1592

150.2129, 0.3172,
0.2899

 0.0000, 0.2895,
0.0000

186.7513, 0.3169,

 0.0000, 0.0000,

0.2925

0.0000

228.7807, 0.3167,
0.2948

■ 24.7690, 0.3194,
0.2613

■ 24.7690, 0.3194,
0.2613

■ 20.9994, 0.3220,
0.2388

■ 29.2674, 0.3169,
0.2845

■ 17.9169, 0.3247,
0.2179

■ 34.5268, 0.3147,
0.3077

■ 15.4805, 0.3273,
0.1995

■ 40.5817, 0.3126,
0.3302

■ 13.6437, 0.3299,
0.1844

■ 47.4634, 0.3108,
0.3517

■ 12.3537, 0.3324,
0.1733

■ 55.2014, 0.3091,
0.3719

■ 11.5487, 0.3346,
0.1664

■ 63.8239, 0.3077,
0.3906

■ 11.1019, 0.3365,
0.1630

■ 73.3577, 0.3064,
0.4078

■ 11.0792, 0.3367,
0.1628

■ 83.1767, 0.3053,
0.4225

■ 83.2175, 0.3048,
0.4212

Harmonies

Analogous

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



24.7690, 0.2660, 0.2430



24.7690, 0.3194, 0.2613



24.7690, 0.3756, 0.2942

Triad

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



24.7690, 0.3194, 0.2613



24.7690, 0.3998, 0.4156



24.7690, 0.2197, 0.3083

Complementary

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



24.7690, 0.3194, 0.2613



34.1888, 0.3064, 0.4076

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.



24.7690, 0.2500, 0.3648



24.7690, 0.3194, 0.2613



24.7690, 0.3535, 0.4312

Square

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



24.7690, 0.3194, 0.2613



24.7690, 0.4236, 0.3794



24.7690, 0.2985, 0.4133



24.7690, 0.2125, 0.2651

Rectangle

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



24.7690, 0.3194, 0.2613



24.7690, 0.4050, 0.3214



24.7690, 0.2985, 0.4133



24.7690, 0.2273, 0.3264

Sweetspot

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



24.7701, 0.3194, 0.2613



62.8935, 0.3146, 0.3083



20.5060, 0.2645, 0.2458



13.7026, 0.3149, 0.3051



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



24.7701, 0.3194, 0.2613



40.5305, 0.3210, 0.2472



23.9483, 0.3480, 0.2953



7.6586, 0.3146, 0.3081



8.1482, 0.3365, 0.1627



0.2005, 0.3308, 0.1596

Inverse Universe

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



24.7701, 0.3194, 0.2613



40.5305, 0.3210, 0.2472



34.8810, 0.2875, 0.3656



7.6586, 0.3146, 0.3081



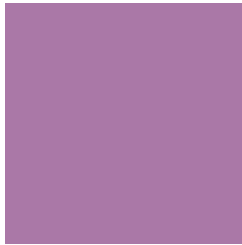
8.1482, 0.3365, 0.1627



0.2005, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 24.7690, 0.3194, 0.2613 looks on a white background.

Color Contrast Check

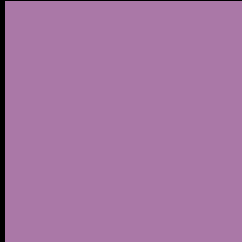
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.7690, 0.3194, 0.2613 looks on a black 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

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

Yxy 24.7690, 0.3194, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 24.7690, 0.3194, 0.2613.



This preview shows how white text looks on a background with the Yxy color 24.7690, 0.3194, 0.2613.

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

24.7690, 0.3194, 0.2613

Protanopia

24.9023, 0.2630, 0.2603

Deuteranopia

24.9648, 0.2853, 0.2807



Tritanopia

24.8063, 0.3495, 0.3138

Trichromacy



Original Color

24.7690, 0.3194, 0.2613

Protanomaly

24.6840, 0.2810, 0.2607

Deuteranomaly

24.7130, 0.2967, 0.2730

Tritanomaly

24.7374, 0.3381, 0.2944

Monochromacy



Original Color

24.7690, 0.3194, 0.2613

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.5564, 0.3151, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7690, 0.3194, 0.2613 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(170, 120, 167)` looks like.

```
.text, #text, p{  
    color:rgb(170, 120, 167)  
}
```

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(170, 120, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 120, 167) }
```

Border

The CSS property to change the border of an element to Yxy 24.7690, 0.3194, 0.2613 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(170, 120, 167) }
```

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

```
.border{ border-color:rgb(170, 120, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 120, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 120, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 120, 167);  
box-shadow:4px 4px 4px 4px rgb(170, 120,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7690, 0.3194, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 120, 167) }
```

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

```
.background{ background-color: rgb(170,  
120, 167) }
```

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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