

Converting Colors

$Y_{xy}(24.9107, 0.3162, 0.2560)$

Have a look what the booklet for
Yxy(24.9107, 0.3162, 0.2560)
contains.

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Color

Yxy(25.0311, 0.3161, 0.2564)

Conversions

Conversions Part 1

Format	Color
Hex	AB78AB
RGB	171, 120, 171
RGB Percent	67%, 47%, 67%
CMY	0.3295, 0.5294, 0.3294
CMYK	0.00, 0.30, 0.00, 0.33
HSL	300°, 23%, 57%
HSV	300°, 30%, 67%
XYZ	30.8593, 25.0311, 41.7348
YIQ	141.0630, 14.0250, 26.6730

Conversions

Conversions Part 2

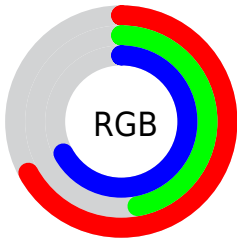
Format	Color
R _Y B	171, 120, 171
Decimal	11237547
CIE Lab	57.11, 28.54, -19.24
CIE LCh	57, 34.419, 326.020
Yxy	25.0311, 0.3161, 0.2564
Android (android.graphics.Color)	4289427627 (0xFFAB78AB)
YUV	141.0630, 14.7589, 26.2547
Hunter-Lab	50.0311, 22.5449, -14.4366

Details

The Yxy color **25.0311, 0.3161, 0.2564** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.4789, 0.3087, 0.4141**, and the grayscale version is **26.5994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7090, 0.3163, 0.2710**, and **9.5638, 0.3156, 0.2323** is the 20% darker color. If you saturate the color by 10%, you get **21.2786, 0.3172, 0.2329**, and if you desaturate by 10%, it is **29.5203, 0.3150, 0.2809**.

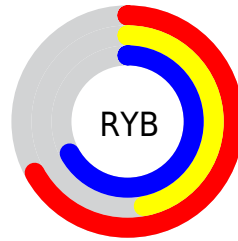
Distribution



Red (67%)

Green (47%)

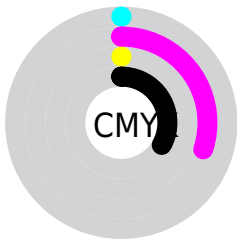
Blue (67%)



Red (67%)

Yellow (47%)

Blue (67%)

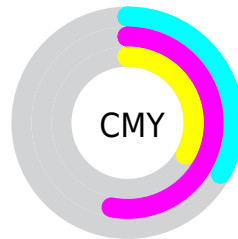


Cyan (0%)

Magenta (30%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (53%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0311, 0.3161, 0.2564 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 25.0311, 0.3161, 0.2564 by changing the saturation by 10% instead.


 25.0311, 0.3161,
0.2564


 25.0311, 0.3161,
0.2564


277.9928, 0.3151,
0.2942

 16.1002, 0.3161,
0.2465


 51.7077, 0.3159,
0.2705

 9.5951, 0.3158,
0.2336


 70.2222, 0.3158,
0.2757

 5.1313, 0.3151,
0.2159


 92.7000, 0.3157,
0.2800

 2.3245, 0.3132,
0.1907

119.5255, 0.3156,
0.2837

 0.7866, 0.3081,
0.1515

151.0832, 0.3154,
0.2869

 0.0000, 0.2824,
0.0000

187.7573, 0.3153,

 0.0000, 0.0000,

0.2896

0.0000

229.9324, 0.3152,
0.2921

■ 25.0311, 0.3161,
0.2564

■ 25.0311, 0.3161,
0.2564

■ 21.2786, 0.3172,
0.2329

■ 29.5203, 0.3150,
0.2809

■ 18.2205, 0.3182,
0.2112

■ 34.7792, 0.3138,
0.3054

■ 15.8151, 0.3191,
0.1923

■ 40.8427, 0.3127,
0.3294

■ 14.0150, 0.3198,
0.1768

■ 47.7425, 0.3116,
0.3524

■ 12.7664, 0.3203,
0.1654

■ 55.5087, 0.3106,
0.3740

■ 12.0060, 0.3206,
0.1582

■ 64.1700, 0.3097,
0.3940

■ 11.5982, 0.3208,
0.1542

■ 73.7535, 0.3088,
0.4124

■ 11.5915, 0.3208,
0.1541

■ 83.1225, 0.3081,
0.4275

■ 83.1232, 0.3081,
0.4275

Harmonies

Analogous

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



25.0311, 0.2606, 0.2383



25.0311, 0.3161, 0.2564



25.0311, 0.3759, 0.2900

Triad

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



25.0311, 0.3161, 0.2564



25.0311, 0.4065, 0.4181



25.0311, 0.2161, 0.3100

Complementary

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



25.0311, 0.3161, 0.2564



34.4789, 0.3087, 0.4141

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.



25.0311, 0.2490, 0.3703



25.0311, 0.3161, 0.2564



25.0311, 0.3585, 0.4370

Square

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



25.0311, 0.3161, 0.2564



25.0311, 0.4302, 0.3789



25.0311, 0.3007, 0.4206



25.0311, 0.2073, 0.2635

Rectangle

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



25.0311, 0.3161, 0.2564



25.0311, 0.4080, 0.3182



25.0311, 0.3007, 0.4206



25.0311, 0.2245, 0.3294

Sweetspot

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



25.0322, 0.3161, 0.2564



62.9570, 0.3137, 0.3070



20.5752, 0.2614, 0.2454



13.7190, 0.3139, 0.3036



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.



25.0322, 0.3161, 0.2564



40.1083, 0.3169, 0.2402



24.1804, 0.3445, 0.2899



8.1479, 0.3138, 0.3067



8.7379, 0.3208, 0.1541



0.2431, 0.3209, 0.1541

Inverse Universe

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



23.4507, 0.3777, 0.3292



36.8006, 0.3993, 0.3292



35.1550, 0.2898, 0.3718



8.0154, 0.3286, 0.3290



6.5269, 0.6400, 0.3299



0.1816, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 25.0311, 0.3161, 0.2564 looks on a white background.

Color Contrast Check

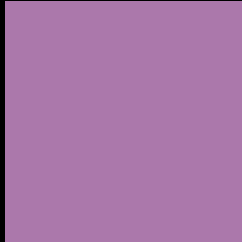
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0311, 0.3161, 0.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

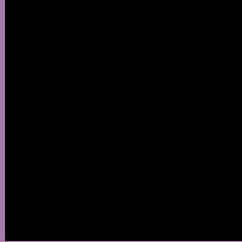
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0311, 0.3161, 0.2564

Background



This preview shows how black text looks on a background with the Yxy color 25.0311, 0.3161, 0.2564.



This preview shows how white text looks on a background with the Yxy color 25.0311, 0.3161, 0.2564.

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

25.0311, 0.3161, 0.2564

Protanopia

25.2708, 0.2592, 0.2563

Deuteranopia

25.0282, 0.2807, 0.2746



Tritanopia

25.0633, 0.3492, 0.3153

Trichromacy



Original Color

25.0311, 0.3161, 0.2564

Protanomaly

24.8423, 0.2774, 0.2552

Deuteranomaly

24.8610, 0.2928, 0.2674

Tritanomaly

24.9101, 0.3370, 0.2916

Monochromacy



Original Color

25.0311, 0.3161, 0.2564

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.7175, 0.3141, 0.2992

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0311, 0.3161, 0.2564 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(171, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 120, 171)  
}
```

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(171, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 120, 171) }
```

Border

The CSS property to change the border of an element to Yxy 25.0311, 0.3161, 0.2564 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(171, 120, 171) }
```

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

```
.border{ border-color:rgb(171, 120, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 120,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0311, 0.3161, 0.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 120, 171) }
```

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

```
.background{ background-color: rgb(171,  
120, 171) }
```

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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