

Converting Colors

$Y_{xy}(24.0669, 0.3165, 0.2507)$

Have a look what the booklet for
Yxy(24.0669, 0.3165, 0.2507)
contains.

Yxy(24.0890, 0.3164, 0.2508)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.0890, 0.3164, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	AB74AB
RGB	171, 116, 171
RGB Percent	67%, 45%, 67%
CMY	0.3294, 0.5451, 0.3295
CMYK	0.00, 0.32, 0.00, 0.33
HSL	300°, 25%, 56%
HSV	300°, 32%, 67%
XYZ	30.3898, 24.0890, 41.5699
YIQ	138.7150, 15.1250, 28.7650

Conversions

Conversions Part 2

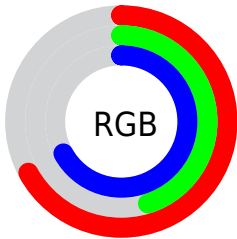
Format	Color
RYB	171, 116, 171
Decimal	11236523
CIELab	56.18, 30.79, -20.65
CIELCh	56, 37.075, 326.159
Yxy	24.0890, 0.3164, 0.2508
Android (android.graphics.Color)	4289426603 (0xFFAB74AB)
YUV	138.7150, 15.9165, 28.3139
Hunter-Lab	49.0805, 24.6330, -15.8606

Details

The Yxy color **24.0890, 0.3164, 0.2508** is a light color, and the websafe version is hex **996699**. A complement of this color would be **34.1012, 0.3083, 0.4219**, and the grayscale version is **25.6375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1978, 0.3165, 0.2666**, and **9.0799, 0.3159, 0.2250** is the 20% darker color. If you saturate the color by 10%, you get **20.5036, 0.3175, 0.2276**, and if you desaturate by 10%, it is **28.4022, 0.3153, 0.2751**.

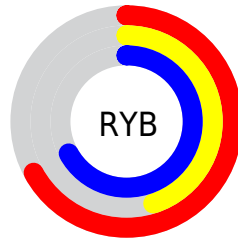
Distribution



Red (67%)

Green (45%)

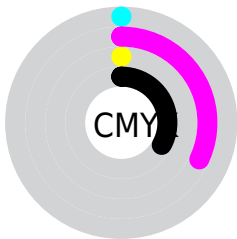
Blue (67%)



Red (67%)

Yellow (45%)

Blue (67%)

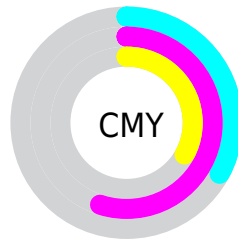


Cyan (0%)

Magenta (32%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (55%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0890, 0.3164, 0.2508 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 24.0890, 0.3164, 0.2508 by changing the saturation by 10% instead.


 24.0890, 0.3164,
0.2508


 24.0890, 0.3164,
0.2508


273.2701, 0.3154,
0.2915


 15.3997, 0.3163,
0.2401


 50.1754, 0.3163,
0.2660

 9.1004, 0.3160,
0.2262


 68.3412, 0.3161,
0.2716

 4.8067, 0.3150,
0.2073


 90.4347, 0.3160,
0.2762

 2.1343, 0.3127,
0.1803

116.8402, 0.3159,
0.2802

 0.6838, 0.3072,
0.1368

147.9421, 0.3157,
0.2837

 0.0000, 0.2623,
0.0000

184.1248, 0.3156,

 0.0000, 0.0000,

0.2866

0.0000

225.7726, 0.3155,
0.2892

■ 24.0890, 0.3164,
0.2508

■ 24.0890, 0.3164,
0.2508

■ 20.5036, 0.3175,
0.2276

■ 28.4022, 0.3153,
0.2751

■ 17.6029, 0.3185,
0.2065

■ 33.4768, 0.3141,
0.2997

■ 15.3443, 0.3194,
0.1883


■ 39.3482, 0.3130,
0.3239


■ 13.6791, 0.3200,
0.1738


■ 46.0486, 0.3119,
0.3471


■ 12.5515, 0.3205,
0.1634

■ 53.6086, 0.3108,
0.3691


 11.8953, 0.3208,
0.1571

 62.0569, 0.3099,
0.3895

 11.5969, 0.3210,
0.1542

 71.4213, 0.3090,
0.4082

 81.7280, 0.3082,
0.4254

 83.1193, 0.3081,
0.4274

Harmonies

Analogous

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



24.0890, 0.2562, 0.2312



24.0890, 0.3164, 0.2508



24.0890, 0.3819, 0.2868

Triad

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



24.0890, 0.3164, 0.2508



24.0890, 0.4140, 0.4253



24.0890, 0.2081, 0.3074

Complementary

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



24.0890, 0.3164, 0.2508



34.1012, 0.3083, 0.4219

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.



24.0890, 0.2430, 0.3738



24.0890, 0.3164, 0.2508



24.0890, 0.3615, 0.4471

Square

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



24.0890, 0.3164, 0.2508



24.0890, 0.4405, 0.3822



24.0890, 0.2988, 0.4297



24.0890, 0.1990, 0.2573

Rectangle

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



24.0890, 0.3164, 0.2508



24.0890, 0.4169, 0.3169



24.0890, 0.2988, 0.4297



24.0890, 0.2169, 0.3286

Sweetspot

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



24.0901, 0.3164, 0.2508



61.9251, 0.3139, 0.3046



19.1459, 0.2566, 0.2362



13.5059, 0.3140, 0.3012



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.



24.0901, 0.3164, 0.2508



38.1905, 0.3172, 0.2332



23.1487, 0.3489, 0.2881



8.1481, 0.3138, 0.3067



8.7422, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Inverse Universe

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



24.0901, 0.3164, 0.2508



38.1905, 0.3172, 0.2332



34.8383, 0.2875, 0.3742



8.1481, 0.3138, 0.3067



8.7422, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 24.0890, 0.3164, 0.2508 looks on a white background.

Color Contrast Check

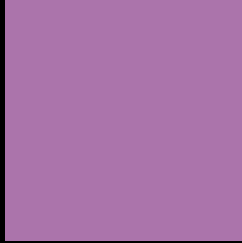
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0890, 0.3164, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

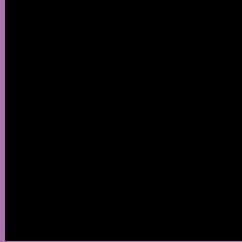
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0890, 0.3164, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 24.0890, 0.3164, 0.2508.



This preview shows how white text looks on a background with the Yxy color 24.0890, 0.3164, 0.2508.

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

24.0890, 0.3164, 0.2508

Protanopia

24.2288, 0.2536, 0.2479

Deuteranopia

24.1550, 0.2765, 0.2707



Tritanopia

24.2157, 0.3537, 0.3152

Trichromacy



Original Color

24.0890, 0.3164, 0.2508

Protanomaly

23.9224, 0.2742, 0.2487

Deuteranomaly

23.8973, 0.2905, 0.2622

Tritanomaly

24.1062, 0.3399, 0.2900

Monochromacy



Original Color

24.0890, 0.3164, 0.2508

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.0463, 0.3142, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0890, 0.3164, 0.2508 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, 116, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 116, 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, 116, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 116, 171) }
```

Border

The CSS property to change the border of an element to Yxy 24.0890, 0.3164, 0.2508 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, 116, 171) }
```

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

```
.border{ border-color:rgb(171, 116, 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, 116, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 116, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 116, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 116,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0890, 0.3164, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 116, 171) }
```

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

```
.background{ background-color: rgb(171,  
116, 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](#).

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