

Converting Colors

$Y_{xy}(24.7464, 0.3204, 0.2342)$

Have a look what the booklet for
Yxy(24.7464, 0.3204, 0.2342)
contains.

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Color

Yxy(24.7196, 0.3195, 0.2337)

Conversions

Conversions Part 1

Format	Color
Hex	B86EB6
RGB	184, 110, 182
RGB Percent	72%, 43%, 71%
CMY	0.2783, 0.5687, 0.2862
CMYK	0.00, 0.40, 0.01, 0.28
HSL	302°, 34%, 58%
HSV	302°, 40%, 72%
XYZ	33.7951, 24.7196, 47.2602
YIQ	140.3340, 20.9920, 38.0800

Conversions

Conversions Part 2

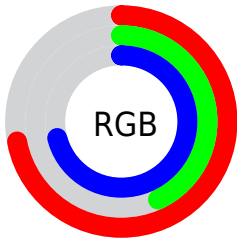
Format	Color
RYB	184, 110, 182
Decimal	12086966
CIELab	56.80, 40.42, -25.91
CIELCh	57, 48.014, 327.342
Yxy	24.7196, 0.3195, 0.2337
Android (android.graphics.Color)	4290277046 (0xFFB86EB6)
YUV	140.3340, 20.5413, 38.2951
Hunter-Lab	49.7188, 34.3229, -21.5550

Details

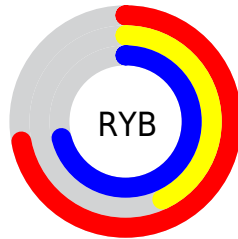
The Yxy color **24.7196, 0.3195, 0.2337** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.7795, 0.3057, 0.4473**, and the grayscale version is **26.2747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0682, 0.3189, 0.2513**, and **9.3800, 0.3185, 0.2049** is the 20% darker color. If you saturate the color by 10%, you get **21.1337, 0.3213, 0.2124**, and if you desaturate by 10%, it is **29.1324, 0.3177, 0.2568**.

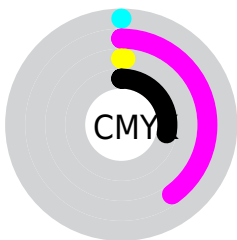
Distribution



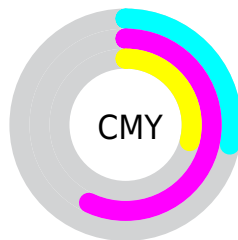
- Red (72%)
- Green (43%)
- Blue (71%)



- Red (72%)
- Yellow (43%)
- Blue (71%)



- Cyan (0%)
- Magenta (40%)
- Yellow (1%)
- Black (28%)





- Cyan (28%)
- Magenta (57%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7196, 0.3195, 0.2337 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 24.7196, 0.3195, 0.2337 by changing the saturation by 10% instead.


 24.7196, 0.3195,
0.2337


 24.7196, 0.3195,
0.2337


276.4386, 0.3173,
0.2822


 15.8683, 0.3196,
0.2215


 51.2020, 0.3190,
0.2515

 9.4310, 0.3194,
0.2057


 69.6018, 0.3188,
0.2581

 5.0234, 0.3185,
0.1849


 91.9532, 0.3185,
0.2637

 2.2610, 0.3159,
0.1563

 118.6407, 0.3182,
0.2685

 0.7529, 0.3094,
0.1148

150.0486, 0.3180,
0.2726

 0.0000, 0.3019,
0.0000

186.5613, 0.3177,

 0.0000, 0.0000,

0.2762

0.0000

228.5632, 0.3175,
0.2794

■ 24.7196, 0.3195,
0.2337

■ 24.7196, 0.3195,
0.2337

■ 21.1337, 0.3213,
0.2124

■ 29.1324, 0.3177,
0.2568

■ 18.3199, 0.3229,
0.1939

■ 34.4159, 0.3160,
0.2808

■ 16.2221, 0.3244,
0.1789


■ 40.6145, 0.3143,
0.3049

■ 14.7753, 0.3258,
0.1680


■ 47.7690, 0.3128,
0.3284


■ 13.9024, 0.3269,
0.1613

■ 55.9174, 0.3113,
0.3509

 13.4513, 0.3278,
0.1579

 65.0958, 0.3100,
0.3721

 75.3385, 0.3088,
0.3917

 85.2611, 0.3079,
0.4076

 85.2823, 0.3076,
0.4070

Harmonies

Analogous

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



24.7196, 0.2436, 0.2090



24.7196, 0.3195, 0.2337



24.7196, 0.4041, 0.2775

Triad

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



24.7196, 0.3195, 0.2337



24.7196, 0.4358, 0.4489



24.7196, 0.1813, 0.2956

Complementary

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



24.7196, 0.3195, 0.2337



38.7795, 0.3057, 0.4473

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.



24.7196, 0.2214, 0.3832



24.7196, 0.3195, 0.2337



24.7196, 0.3677, 0.4814

Square

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



24.7196, 0.3195, 0.2337



24.7196, 0.4738, 0.3929



24.7196, 0.2893, 0.4603



24.7196, 0.1727, 0.2353

Rectangle

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



24.7196, 0.3195, 0.2337



24.7196, 0.4488, 0.3137



24.7196, 0.2893, 0.4603



24.7196, 0.1911, 0.3229

Sweetspot

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



24.7207, 0.3195, 0.2337



71.2568, 0.3146, 0.3002



18.0029, 0.2404, 0.2080



15.0384, 0.3148, 0.2971



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



24.7207, 0.3195, 0.2337



39.1398, 0.3210, 0.2153



23.4105, 0.3636, 0.2789



9.1584, 0.3142, 0.3071



9.2681, 0.3277, 0.1579



0.3281, 0.3258, 0.1569

Inverse Universe

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



24.7207, 0.3195, 0.2337



39.1398, 0.3210, 0.2153



39.7557, 0.2811, 0.3861



9.1584, 0.3142, 0.3071



9.2681, 0.3277, 0.1579



0.3281, 0.3258, 0.1569

Previews

White Background



This preview shows how the Yxy color 24.7196, 0.3195, 0.2337 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 24.7196, 0.3195, 0.2337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

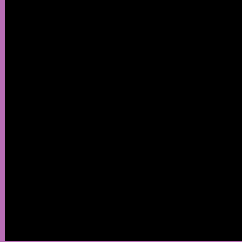
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7196, 0.3195, 0.2337

Background



This preview shows how black text looks on a background with the Yxy color 24.7196, 0.3195, 0.2337.



This preview shows how white text looks on a background with the Yxy color 24.7196, 0.3195, 0.2337.

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

24.7196, 0.3195, 0.2337

Protanopia

24.8446, 0.2374, 0.2268

Deuteranopia

24.8537, 0.2655, 0.2592



Tritanopia

24.6336, 0.3719, 0.3159

Trichromacy



Original Color

24.7196, 0.3195, 0.2337

Protanomaly

24.0512, 0.2615, 0.2269

Deuteranomaly

24.2178, 0.2832, 0.2477

Tritanomaly

24.5958, 0.3527, 0.2835

Monochromacy



Original Color

24.7196, 0.3195, 0.2337

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.1350, 0.3157, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7196, 0.3195, 0.2337 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(184, 110, 182)` looks like.

```
.text, #text, p{  
    color:rgb(184, 110, 182)  
}
```

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(184, 110, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 110, 182) }
```

Border

The CSS property to change the border of an element to Yxy 24.7196, 0.3195, 0.2337 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(184, 110, 182) }
```

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

```
.border{ border-color:rgb(184, 110, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 110, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 110, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 110, 182);  
box-shadow:4px 4px 4px 4px rgb(184, 110,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7196, 0.3195, 0.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 110, 182) }
```

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

```
.background{ background-color: rgb(184,  
110, 182) }
```

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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