

Converting Colors

$Y_{xy}(11.7436, 0.4932, 0.2558)$

Have a look what the booklet for
Yxy(11.7436, 0.4932, 0.2558)
contains.

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Color

Yxy(11.7560, 0.4944, 0.2564)

Conversions

Conversions Part 1

Format	Color
Hex	BB115D
RGB	187, 17, 93
RGB Percent	73%, 7%, 36%
CMY	0.2667, 0.9331, 0.6354
CMYK	0.00, 0.91, 0.50, 0.27
HSL	333°, 83%, 40%
HSV	333°, 91%, 73%
XYZ	22.6684, 11.7560, 11.4259
YIQ	76.4940, 76.9240, 59.6760

Conversions

Conversions Part 2

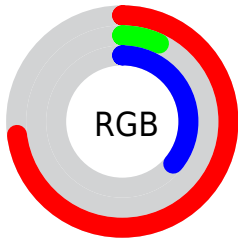
Format	Color
RYB	187, 17, 93
Decimal	12259677
CIELab	40.83, 65.13, 3.64
CIElCh	41, 65.236, 3.199
Yxy	11.7560, 0.4944, 0.2564
Android (android.graphics.Color)	4290449757 (0xFFBB115D)
YUV	76.4940, 8.1375, 96.9138
Hunter-Lab	34.2870, 58.0103, 4.2430

Details

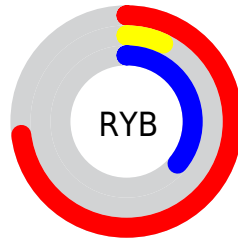
The Yxy color **11.7560, 0.4944, 0.2564** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **36.8076, 0.2651, 0.4674**, and the grayscale version is **7.3018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9191, 0.4484, 0.2750**, and **4.7254, 0.5389, 0.2743** is the 20% darker color. If you saturate the color by 10%, you get **11.1973, 0.5186, 0.2631**, and if you desaturate by 10%, it is **12.7967, 0.4667, 0.2533**.

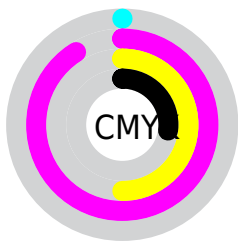
Distribution



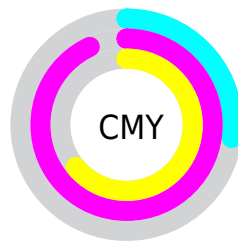
- Red (73%)
- Green (7%)
- Blue (36%)



- Red (73%)
- Yellow (7%)
- Blue (36%)



- Cyan (0%)
- Magenta (91%)
- Yellow (50%)
- Black (27%)




- Cyan (27%)
- Magenta (93%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7560, 0.4944, 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 11.7560, 0.4944, 0.2564 by changing the saturation by 10% instead.


 11.7560, 0.4944,
0.2564

 11.7560, 0.4944,
0.2564


202.7832, 0.3844,
0.3014


 6.5778, 0.5303,
0.2411


 29.0499, 0.4487,
0.2755


 3.1995, 0.5824,
0.2184

 41.9344, 0.4333,
0.2817


 1.2367, 0.6623,
0.1824

 58.1564, 0.4211,
0.2867

 0.0914, 0.9559,
0.0441

 78.1003, 0.4110,
0.2908

 0.0000, 1.0000,
0.0000

 102.1506, 0.4027,
0.2941

 0.0000, 0.0000,
0.0000

 130.6915, 0.3956,

0.2969

164.1076, 0.3896,
0.2993

■ 11.7560, 0.4944,
0.2564

■ 11.7560, 0.4944,
0.2564

■ 11.1973, 0.5186,
0.2631

■ 12.7967, 0.4667,
0.2533

■ 14.4520, 0.4390,
0.2553

■ 16.8045, 0.4128,
0.2616

■ 19.9236, 0.3892,
0.2708

■ 23.8700, 0.3685,
0.2818

■ 28.6983, 0.3508,
0.2936

■ 34.4584, 0.3360,
0.3055

■ 41.1966, 0.3237,
0.3171

■ 48.9559, 0.3135,
0.3281

Harmonies

Analogous

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



11.7560, 0.3469, 0.1925



11.7560, 0.4944, 0.2564



11.7560, 0.5760, 0.3314

Triad

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



11.7560, 0.4944, 0.2564



11.7560, 0.3511, 0.5928



11.7560, 0.1069, 0.1650

Complementary

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



11.7560, 0.4944, 0.2564



36.8076, 0.2651, 0.4674

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.



11.7560, 0.1059, 0.2374



11.7560, 0.4944, 0.2564



11.7560, 0.2347, 0.5574

Square

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



11.7560, 0.4944, 0.2564



11.7560, 0.4684, 0.5155



11.7560, 0.1451, 0.3860



11.7560, 0.1416, 0.1425

Rectangle

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



11.7560, 0.4944, 0.2564



11.7560, 0.5716, 0.3857



11.7560, 0.1451, 0.3860



11.7560, 0.1028, 0.1822

Sweetspot

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



11.7567, 0.4944, 0.2564



54.7631, 0.3454, 0.2977



7.3386, 0.2219, 0.1039



11.3233, 0.3508, 0.2936



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



11.7567, 0.4944, 0.2564



20.0093, 0.5224, 0.2651



11.3238, 0.6183, 0.3341



9.6053, 0.3220, 0.3188



7.7296, 0.5157, 0.2614



0.3160, 0.4574, 0.2293

Inverse Universe

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



11.7567, 0.4944, 0.2564



20.0093, 0.5224, 0.2651



35.7468, 0.2221, 0.3148



9.6053, 0.3220, 0.3188



7.7296, 0.5157, 0.2614



0.3160, 0.4574, 0.2293

Previews

White Background



This preview shows how the Yxy color 11.7560, 0.4944, 0.2564 looks on a white background.

Color Contrast Check

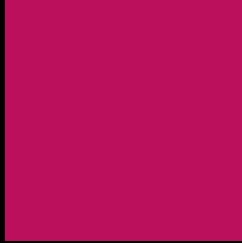
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7560, 0.4944, 0.2564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

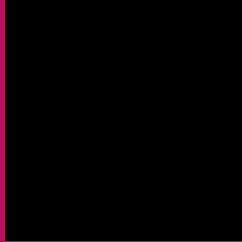
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7560, 0.4944, 0.2564

Background



This preview shows how black text looks on a background with the Yxy color 11.7560, 0.4944, 0.2564.



This preview shows how white text looks on a background with the Yxy color 11.7560, 0.4944, 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

11.7560, 0.4944, 0.2564

Protanopia

12.3176, 0.2570, 0.2526

Deuteranopia

12.1060, 0.3551, 0.3488



Tritanopia

11.9185, 0.5828, 0.3290

Trichromacy



Original Color

11.7560, 0.4944, 0.2564

Protanomaly

9.7273, 0.3275, 0.2334

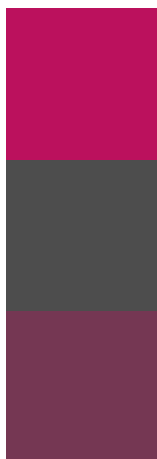
Deuteranomaly

10.0900, 0.4117, 0.2894

Tritanomaly

11.7348, 0.5587, 0.3045

Monochromacy



Original Color

11.7560, 0.4944, 0.2564

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.1388, 0.3884, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7560, 0.4944, 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(187, 17, 93)` looks like.

```
.text, #text, p{  
    color:rgb(187, 17, 93)  
}
```

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(187, 17, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 17, 93) }
```

Border

The CSS property to change the border of an element to Yxy 11.7560, 0.4944, 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(187, 17, 93) }
```

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

```
.border{ border-color:rgb(187, 17, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 17, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 17, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 17, 93);  
box-shadow:4px 4px 4px 4px rgb(187, 17,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7560, 0.4944, 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(187, 17, 93) }
```

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

```
.background{ background-color: rgb(187, 17,  
93) }
```

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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