

Converting Colors

$Y_{xy}(11.8052, 0.3761, 0.1996)$

Have a look what the booklet for
Yxy(11.8052, 0.3761, 0.1996)
contains.

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Color

Yxy(11.7497, 0.3754, 0.1989)

Conversions

Conversions Part 1

Format	Color
Hex	AC228A
RGB	172, 34, 138
RGB Percent	67%, 13%, 54%
CMY	0.3254, 0.8668, 0.4588
CMYK	0.00, 0.80, 0.20, 0.33
HSL	315°, 67%, 40%
HSV	315°, 80%, 67%
XYZ	22.1762, 11.7497, 25.1475
YIQ	87.1180, 48.8640, 61.6000

Conversions

Conversions Part 2

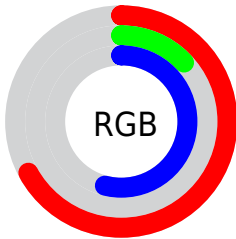
Format	Color
R_{YB}	172, 34, 138
Decimal	11281034
CIE _{Lab}	40.82, 62.92, -24.75
CIE _{LCh}	41, 67.611, 338.526
Yxy	11.7497, 0.3754, 0.1989
Android (android.graphics.Color)	4289471114 (0xFFAC228A)
YUV	87.1180, 25.0848, 74.4415
Hunter-Lab	34.2778, 55.4949, -19.5030

Details

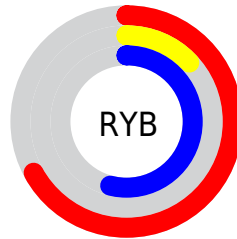
The Yxy color **11.7497, 0.3754, 0.1989** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **30.2686, 0.2879, 0.5295**, and the grayscale version is **9.4920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1604, 0.3621, 0.2263**, and **4.3494, 0.3876, 0.1909** is the 20% darker color. If you saturate the color by 10%, you get **10.8813, 0.3852, 0.1949**, and if you desaturate by 10%, it is **13.1158, 0.3655, 0.2074**.

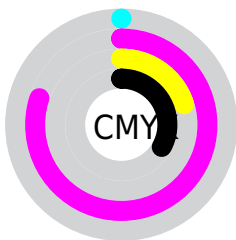
Distribution



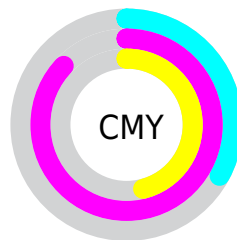
- Red (67%)
- Green (13%)
- Blue (54%)



- Red (67%)
- Yellow (13%)
- Blue (54%)



- Cyan (0%)
- Magenta (80%)
- Yellow (20%)
- Black (33%)



- Cyan (33%)
- Magenta (87%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7497, 0.3754, 0.1989 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 11.7497, 0.3754, 0.1989 by changing the saturation by 10% instead.


 11.7497, 0.3754,
0.1989


 11.7497, 0.3754,
0.1989


 202.7411, 0.3410,
0.2700


 6.5735, 0.3849,
0.1794


 29.0384, 0.3622,
0.2261


 3.1968, 0.3975,
0.1536


 41.9197, 0.3575,
0.2359


 1.2353, 0.4147,
0.1185

 58.1381, 0.3535,
0.2441

 0.0903, 0.4614,
0.0221

 78.0781, 0.3502,
0.2509

 0.0000, 0.4774,
0.0000

 102.1239, 0.3474,
0.2568

 0.0000, 0.0000,
0.0000

 130.6602, 0.3450,

0.2618

164.0711, 0.3429,
0.2662

■ 11.7497, 0.3754,
0.1989

■ 11.7497, 0.3754,
0.1989

■ 10.8813, 0.3852,
0.1949

■ 13.1158, 0.3655,
0.2074

■ 10.3748, 0.3945,
0.1947

■ 15.0427, 0.3558,
0.2200

■ 17.5860, 0.3466,
0.2356

■ 20.7942, 0.3381,
0.2533

■ 24.7107, 0.3305,
0.2722

■ 29.3755, 0.3237,
0.2914

■ 34.8254, 0.3179,
0.3103

■ 41.0949, 0.3128,
0.3286

■ 48.2165, 0.3085,
0.3458

Harmonies

Analogous

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



11.7497, 0.2351, 0.1537



11.7497, 0.3754, 0.1989



11.7497, 0.5231, 0.2668

Triad

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



11.7497, 0.3754, 0.1989



11.7497, 0.4509, 0.5378



11.7497, 0.0987, 0.2155

Complementary

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



11.7497, 0.3754, 0.1989



30.2686, 0.2879, 0.5295

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.



11.7497, 0.1293, 0.3542



11.7497, 0.3754, 0.1989



11.7497, 0.3279, 0.6077

Square

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



11.7497, 0.3754, 0.1989



11.7497, 0.5485, 0.4323



11.7497, 0.2114, 0.5422



11.7497, 0.1060, 0.1535

Rectangle

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



11.7497, 0.3754, 0.1989



11.7497, 0.5786, 0.3173



11.7497, 0.2114, 0.5422



11.7497, 0.1040, 0.2517

Sweetspot

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



11.7503, 0.3754, 0.1989



49.5749, 0.3264, 0.2833



5.2861, 0.1866, 0.0960



10.1491, 0.3288, 0.2767



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.



11.7503, 0.3754, 0.1989



19.0590, 0.3923, 0.1950



10.3672, 0.5196, 0.2878



8.1138, 0.3174, 0.3121



7.7278, 0.3936, 0.1942



0.2230, 0.3674, 0.1798

Inverse Universe

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



11.7503, 0.3754, 0.1989



19.0590, 0.3923, 0.1950



31.6065, 0.2492, 0.3978



8.1138, 0.3174, 0.3121



7.7278, 0.3936, 0.1942



0.2230, 0.3674, 0.1798

Previews

White Background



This preview shows how the Yxy color 11.7497, 0.3754, 0.1989 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 11.7497, 0.3754, 0.1989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

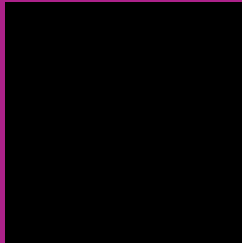
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7497, 0.3754, 0.1989

Background



This preview shows how black text looks on a background with the Yxy color 11.7497, 0.3754, 0.1989.



This preview shows how white text looks on a background with the Yxy color 11.7497, 0.3754, 0.1989.

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

11.7497, 0.3754, 0.1989

Protanopia

12.1314, 0.1886, 0.1635

Deuteranopia

12.1013, 0.2611, 0.2562



Tritanopia

11.8261, 0.5028, 0.3241

Trichromacy



Original Color

11.7497, 0.3754, 0.1989

Protanomaly

9.7746, 0.2228, 0.1568

Deuteranomaly

10.3805, 0.2960, 0.2160

Tritanomaly

11.4652, 0.4581, 0.2726

Monochromacy



Original Color

11.7497, 0.3754, 0.1989

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.0264, 0.3381, 0.2514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7497, 0.3754, 0.1989 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(172, 34, 138)` looks like.

```
.text, #text, p{  
    color:rgb(172, 34, 138)  
}
```

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(172, 34, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 34, 138) }
```

Border

The CSS property to change the border of an element to Yxy 11.7497, 0.3754, 0.1989 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(172, 34, 138) }
```

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

```
.border{ border-color:rgb(172, 34, 138) }
```

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

Here you see how a box with a 4 pixel rgb(172, 34, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 34, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 34, 138);  
box-shadow:4px 4px 4px 4px rgb(172, 34,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7497, 0.3754, 0.1989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 34, 138) }
```

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

```
.background{ background-color: rgb(172, 34,  
138) }
```

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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