

Converting Colors

$Y_{xy}(17.2607, 0.2398, 0.1158)$

Have a look what the booklet for
Yxy(17.2607, 0.2398, 0.1158)
contains.

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Color

Yxy(17.2524, 0.2396, 0.1158)

Conversions

Conversions Part 1

Format	Color
Hex	AC24FF
RGB	172, 36, 255
RGB Percent	67%, 14%, 100%
CMY	0.3253, 0.8590, 0.0001
CMYK	0.33, 0.86, 0.00, 0.00
HSL	277°, 100%, 57%
HSV	277°, 86%, 100%
XYZ	35.6967, 17.2524, 96.0354
YIQ	101.6300, 10.7570, 96.9410

Conversions

Conversions Part 2

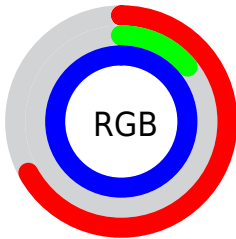
Format	Color
R _Y B	172, 36, 255
Decimal	11281663
CIE Lab	48.58, 82.40, -80.46
CIE LCh	49, 115.168, 315.680
Yxy	17.2524, 0.2396, 0.1158
Android (android.graphics.Color)	4289471743 (0xFFAC24FF)
YUV	101.6300, 75.6114, 61.7145
Hunter-Lab	41.5360, 80.7176, -108.0092

Details

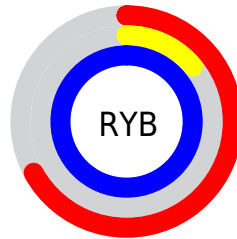
The Yxy color **17.2524, 0.2396, 0.1158** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **75.5464, 0.3279, 0.5673**, and the grayscale version is **12.9802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2441, 0.2990, 0.1812**, and **7.4107, 0.2148, 0.0957** is the 20% darker color. If you saturate the color by 10%, you get **15.1673, 0.2300, 0.1053**, and if you desaturate by 10%, it is **20.5132, 0.2498, 0.1315**.

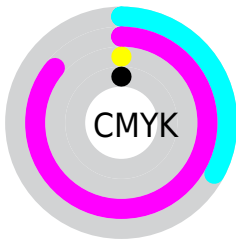
Distribution



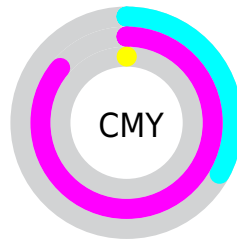
- Red (67%)
- Green (14%)
- Blue (100%)



- Red (67%)
- Yellow (14%)
- Blue (100%)



- Cyan (33%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2524, 0.2396, 0.1158 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 17.2524, 0.2396, 0.1158 by changing the saturation by 10% instead.


 17.2524, 0.2396,
0.1158


 17.2524, 0.2396,
0.1158


236.6227, 0.2838,
0.2105


 10.4146, 0.2274,
0.0972


 38.7592, 0.2568,
0.1466


 5.6747, 0.2115,
0.0763


 54.1971, 0.2630,
0.1593


 2.6483, 0.1905,
0.0535


 73.2704, 0.2681,
0.1705

 0.9510, 0.1625,
0.0304

 96.3635, 0.2723,
0.1803

 0.0000, 0.1269,
0.0000

 123.8609, 0.2759,
0.1892

 0.0000, 0.0794,
0.0000

 156.1470, 0.2789,

 0.0000, 0.0000,

0.1970

0.0000

193.6061, 0.2816,
0.2041

■ 17.2524, 0.2396,
0.1158

■ 17.2524, 0.2396,
0.1158

■ 15.1673, 0.2300,
0.1053

■ 20.5132, 0.2498,
0.1315

■ 14.5303, 0.2262,
0.1020

■ 25.1497, 0.2602,
0.1521

■ 31.3257, 0.2704,
0.1766

■ 39.1806, 0.2801,
0.2037

■ 48.8380, 0.2890,
0.2320

60.4095, 0.2969,
0.2605

73.9974, 0.3038,
0.2882

89.6967, 0.3097,
0.3144

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



17.2524, 0.1192, 0.0912



17.2524, 0.2396, 0.1158



17.2524, 0.4529, 0.1733

Triad

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



17.2524, 0.2396, 0.1158



17.2524, 0.5601, 0.4399



17.2524, 0.0593, 0.2867

Complementary

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



17.2524, 0.2396, 0.1158



75.5464, 0.3279, 0.5673

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.



17.2524, 0.1236, 0.6049



17.2524, 0.2396, 0.1158



17.2524, 0.3997, 0.6003

Square

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



17.2524, 0.2396, 0.1158



17.2524, 0.6694, 0.3288



17.2524, 0.2466, 0.7435



17.2524, 0.0482, 0.1413

Rectangle

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



17.2524, 0.2396, 0.1158



17.2524, 0.5994, 0.2241



17.2524, 0.2466, 0.7435



17.2524, 0.0730, 0.3770

Sweetspot

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



17.2530, 0.2396, 0.1158



60.2916, 0.2969, 0.2602



21.0059, 0.1772, 0.1461



12.0005, 0.2942, 0.2504



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.2530, 0.2396, 0.1158



14.5334, 0.2262, 0.1020



28.1957, 0.3478, 0.1749



17.9367, 0.3077, 0.3051



7.6823, 0.2277, 0.1028



0.8106, 0.2382, 0.1086

Inverse Universe

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



23.8443, 0.5096, 0.2689



22.1150, 0.5513, 0.2811



72.2213, 0.2963, 0.5731



18.1009, 0.3234, 0.3200



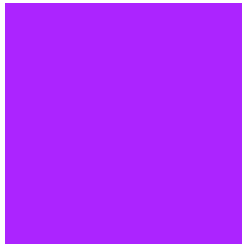
11.5822, 0.5470, 0.2787



1.1482, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 17.2524, 0.2396, 0.1158 looks on a white background.

Color Contrast Check

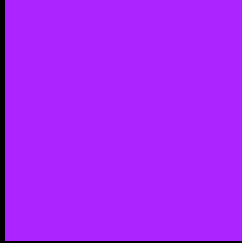
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2524, 0.2396, 0.1158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

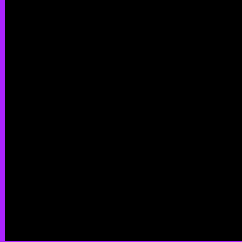
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.2524, 0.2396, 0.1158

Background



This preview shows how black text looks on a background with the Yxy color 17.2524, 0.2396, 0.1158.



This preview shows how white text looks on a background with the Yxy color 17.2524, 0.2396, 0.1158.

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

17.2524, 0.2396, 0.1158

Protanopia

17.5865, 0.1743, 0.1474

Tritanopia

17.1815, 0.3619, 0.3152

Trichromacy



Original Color

17.2524, 0.2396, 0.1158



Protanomaly

13.8082, 0.1762, 0.1145



Tritanomaly

15.2409, 0.3064, 0.2029

Monochromacy



Original Color

17.2524, 0.2396, 0.1158



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.4294, 0.2762, 0.1945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2524, 0.2396, 0.1158 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, 36, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 36, 255)  
}
```

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, 36, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 36, 255) }
```

Border

The CSS property to change the border of an element to Yxy 17.2524, 0.2396, 0.1158 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, 36, 255) }
```

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

```
.border{ border-color:rgb(172, 36, 255) }
```

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

Here you see how a box with a 4 pixel rgb(172, 36, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 36, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 36, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 36,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 17.2524, 0.2396, 0.1158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 36, 255) }
```

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

```
.background{ background-color: rgb(172, 36,  
255) }
```

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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