

Converting Colors

$Y_{xy}(17.0590, 0.2488, 0.1334)$

Have a look what the booklet for
Yxy(17.0590, 0.2488, 0.1334)
contains.

Yxy(17.1142, 0.2494, 0.1340)	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(17.1142, 0.2494, 0.1340)

Conversions

Conversions Part 1

Format	Color
Hex	A53CE9
RGB	165, 60, 233
RGB Percent	65%, 24%, 91%
CMY	0.3528, 0.7650, 0.0861
CMYK	0.29, 0.74, 0.00, 0.09
HSL	276°, 80%, 57%
HSV	276°, 74%, 91%
XYZ	31.8528, 17.1142, 78.7509
YIQ	111.1170, 7.0470, 76.0630

Conversions

Conversions Part 2

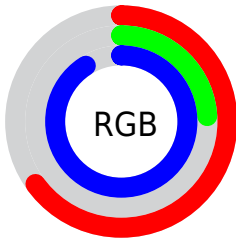
Format	Color
R_{YB}	165, 60, 233
Decimal	10829033
CIE _{Lab}	48.40, 69.70, -68.49
CIE _{LCh}	48, 97.716, 315.503
Yxy	17.1142, 0.2494, 0.1340
Android (android.graphics.Color)	4289019113 (0xFFA53CE9)
YUV	111.1170, 60.0883, 47.2554
Hunter-Lab	41.3693, 65.0421, -83.9063

Details

The Yxy color **17.1142, 0.2494, 0.1340** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **63.2146, 0.3336, 0.5427**, and the grayscale version is **15.7467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9501, 0.2919, 0.1892**, and **6.1988, 0.2240, 0.1008** is the 20% darker color. If you saturate the color by 10%, you get **14.2431, 0.2388, 0.1171**, and if you desaturate by 10%, it is **21.1305, 0.2601, 0.1556**.

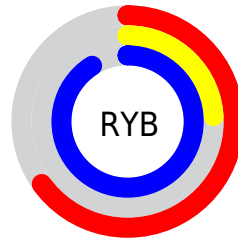
Distribution



Red (65%)

Green (24%)

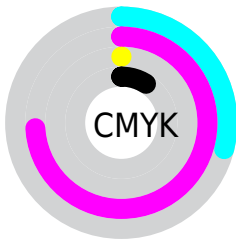
Blue (91%)



Red (65%)

Yellow (24%)

Blue (91%)

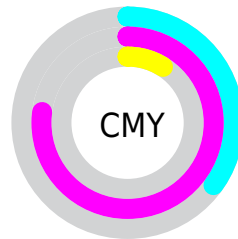


Cyan (29%)

Magenta (74%)

Yellow (0%)

Black (9%)



Cyan (35%)


Magenta (77%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1142, 0.2494, 0.1340 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 17.1142, 0.2494, 0.1340 by changing the saturation by 10% instead.


 17.1142, 0.2494,
0.1340


 17.1142, 0.2494,
0.1340


235.8296, 0.2883,
0.2250


 10.3159, 0.2381,
0.1148


 38.5220, 0.2649,
0.1647


 5.6089, 0.2231,
0.0924


 53.9004, 0.2703,
0.1770

 2.6088, 0.2025,
0.0671


 72.9076, 0.2748,
0.1877

 0.9311, 0.1739,
0.0398

 95.9280, 0.2784,
0.1970

 0.0000, 0.1359,
0.0000

 123.3460, 0.2815,
0.2053

 0.0000, 0.0743,
0.0000

155.5460, 0.2841,

 0.0000, 0.0000,

0.2126

0.0000

192.9124, 0.2863,
0.2191

■ 17.1142, 0.2494,
0.1340

■ 17.1142, 0.2494,
0.1340

■ 14.2431, 0.2388,
0.1171

■ 21.1305, 0.2601,
0.1556

■ 12.3608, 0.2289,
0.1054

■ 26.4169, 0.2706,
0.1808


■ 11.5929, 0.2235,
0.1005


■ 33.0835, 0.2805,
0.2083

■ 41.2278, 0.2896,
0.2369

■ 50.9380, 0.2976,
0.2653

 62.2954, 0.3045,
0.2927

 75.3755, 0.3105,
0.3185

 90.2492, 0.3155,
0.3424

 97.2594, 0.3207,
0.3505

Harmonies

Analogous

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



17.1142, 0.1365, 0.1097



17.1142, 0.2494, 0.1340



17.1142, 0.4348, 0.1898

Triad

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



17.1142, 0.2494, 0.1340



17.1142, 0.5505, 0.4495



17.1142, 0.0825, 0.3006

Complementary

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



17.1142, 0.2494, 0.1340



63.2146, 0.3336, 0.5427

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.



17.1142, 0.1522, 0.5592



17.1142, 0.2494, 0.1340



17.1142, 0.4141, 0.5859

Square

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



17.1142, 0.2494, 0.1340



17.1142, 0.6355, 0.3451



17.1142, 0.2734, 0.6847



17.1142, 0.0666, 0.1639

Rectangle

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



17.1142, 0.2494, 0.1340



17.1142, 0.5604, 0.2395



17.1142, 0.2734, 0.6847



17.1142, 0.0984, 0.3775

Sweetspot

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



17.1148, 0.2494, 0.1340



65.3383, 0.2992, 0.2713



22.5921, 0.1921, 0.1776



13.2227, 0.2972, 0.2637



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.



17.1148, 0.2494, 0.1340



16.1437, 0.2336, 0.1104



25.5006, 0.3392, 0.1818



15.0014, 0.3075, 0.3053



6.6488, 0.2249, 0.1013



0.5775, 0.2380, 0.1085

Inverse Universe

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



22.1132, 0.4666, 0.2637



23.3819, 0.5141, 0.2678



59.8028, 0.2967, 0.5483



15.1520, 0.3231, 0.3198



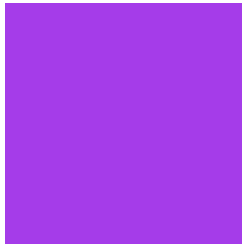
10.2863, 0.5404, 0.2751



0.8261, 0.5034, 0.2547

Previews

White Background



This preview shows how the Yxy color 17.1142, 0.2494, 0.1340 looks on a white background.

Color Contrast Check

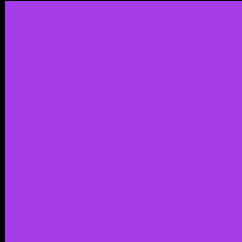
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.1142, 0.2494, 0.1340 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 17.1142, 0.2494, 0.1340

Background



This preview shows how black text looks on a background with the Yxy color 17.1142, 0.2494, 0.1340.



This preview shows how white text looks on a background with the Yxy color 17.1142, 0.2494, 0.1340.

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

17.1142, 0.2494, 0.1340

Protanopia

17.3670, 0.1739, 0.1461

Deuteranopia

17.3646, 0.1841, 0.1827



Tritanopia

16.9998, 0.3591, 0.3150

Trichromacy



Original Color

17.1142, 0.2494, 0.1340



Protanomaly

14.5555, 0.1791, 0.1269



Deuteranomaly

14.4163, 0.1860, 0.1457



Tritanomaly

16.0551, 0.3123, 0.2234

Monochromacy



Original Color

17.1142, 0.2494, 0.1340



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.8461, 0.2859, 0.2222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1142, 0.2494, 0.1340 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(165, 60, 233)` looks like.

```
.text, #text, p{  
    color:rgb(165, 60, 233)  
}
```

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(165, 60, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 60, 233) }
```

Border

The CSS property to change the border of an element to Yxy 17.1142, 0.2494, 0.1340 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(165, 60, 233) }
```

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

```
.border{ border-color:rgb(165, 60, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 60, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 60, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 60, 233);  
box-shadow:4px 4px 4px 4px rgb(165, 60,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1142, 0.2494, 0.1340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 60, 233) }
```

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

```
.background{ background-color: rgb(165, 60,  
233) }
```

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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