

Converting Colors

$Y_{xy}(17.6618, 0.3142, 0.2036)$

Have a look what the booklet for
Yxy(17.6618, 0.3142, 0.2036)
contains.

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Color

Yxy(17.6366, 0.3135, 0.2030)

Conversions

Conversions Part 1

Format	Color
Hex	AA52AE
RGB	170, 82, 174
RGB Percent	67%, 32%, 68%
CMY	0.3333, 0.6785, 0.3177
CMYK	0.02, 0.53, 0.00, 0.32
HSL	297°, 36%, 50%
HSV	297°, 53%, 68%
XYZ	27.2368, 17.6366, 42.0064
YIQ	118.8000, 22.9160, 47.2680

Conversions

Conversions Part 2

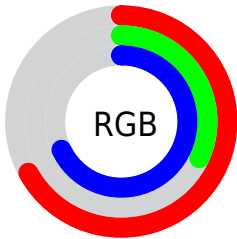
Format	Color
R_{YB}	170, 82, 174
Decimal	11162286
CIE _{Lab}	49.05, 49.24, -33.44
CIE _{LCh}	49, 59.523, 325.824
Yxy	17.6366, 0.3135, 0.2030
Android (android.graphics.Color)	4289352366 (0xFFAA52AE)
YUV	118.8000, 27.2136, 44.9024
Hunter-Lab	41.9960, 42.2747, -29.9076

Details

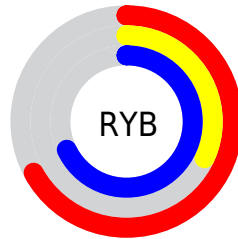
The Yxy color **17.6366, 0.3135, 0.2030** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **32.8529, 0.3077, 0.4934**, and the grayscale version is **18.2884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3720, 0.3147, 0.2268**, and **5.8558, 0.3086, 0.1653** is the 20% darker color. If you saturate the color by 10%, you get **15.2546, 0.3131, 0.1842**, and if you desaturate by 10%, it is **20.6858, 0.3137, 0.2247**.

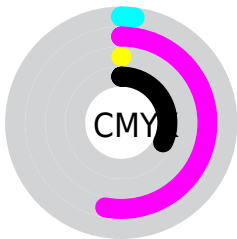
Distribution



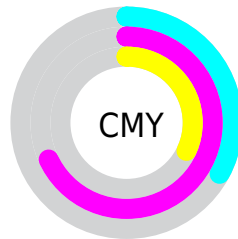
- Red (67%)
- Green (32%)
- Blue (68%)



- Red (67%)
- Yellow (32%)
- Blue (68%)



- Cyan (2%)
- Magenta (53%)
- Yellow (0%)
- Black (32%)




- Cyan (33%)
- Magenta (68%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6366, 0.3135, 0.2030 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 17.6366, 0.3135, 0.2030 by changing the saturation by 10% instead.


 17.6366, 0.3135,
0.2030


 17.6366, 0.3135,
0.2030


238.8147, 0.3156,
0.2683


 10.6894, 0.3119,
0.1864


 39.4171, 0.3150,
0.2271


 5.8584, 0.3090,
0.1650


 55.0192, 0.3154,
0.2360

 2.7592, 0.3037,
0.1371


 74.2751, 0.3156,
0.2436

 1.0073, 0.2930,
0.0999

 97.5691, 0.3157,
0.2500

 0.0000, 0.2839,
0.0000

 125.2857, 0.3157,
0.2555

 0.0000, 0.0469,
0.0000

157.8092, 0.3157,

 0.0000, 0.0000,

0.2603

0.0000

195.5241, 0.3157,
0.2646

■ 17.6366, 0.3135,
0.2030

■ 17.6366, 0.3135,
0.2030

■ 15.2546, 0.3131,
0.1842

■ 20.6858, 0.3137,
0.2247

■ 13.4862, 0.3126,
0.1691

■ 24.4459, 0.3137,
0.2483

■ 12.2733, 0.3118,
0.1582

■ 28.9595, 0.3135,
0.2730

■ 11.5457, 0.3109,
0.1514

■ 34.2653, 0.3132,
0.2978

■ 11.2149, 0.3102,
0.1483

■ 40.3991, 0.3128,
0.3222

■ 47.3949, 0.3124,
0.3455

■ 55.2845, 0.3119,
0.3675

■ 64.0981, 0.3114,
0.3879

■ 73.8646, 0.3108,
0.4066

Harmonies

Analogous

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



17.6366, 0.2154, 0.1738



17.6366, 0.3135, 0.2030



17.6366, 0.4324, 0.2557

Triad

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



17.6366, 0.3135, 0.2030



17.6366, 0.4719, 0.4742



17.6366, 0.1423, 0.2829

Complementary

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



17.6366, 0.3135, 0.2030



32.8529, 0.3077, 0.4934

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.



17.6366, 0.1914, 0.4110



17.6366, 0.3135, 0.2030



17.6366, 0.3808, 0.5360

Square

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



17.6366, 0.3135, 0.2030



17.6366, 0.5278, 0.3961



17.6366, 0.2789, 0.5238



17.6366, 0.1327, 0.2043

Rectangle

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



17.6366, 0.3135, 0.2030



17.6366, 0.4968, 0.2993



17.6366, 0.2789, 0.5238



17.6366, 0.1539, 0.3213

Sweetspot

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



17.6374, 0.3135, 0.2030



58.7165, 0.3133, 0.2894



11.5997, 0.2144, 0.1716



12.6162, 0.3134, 0.2844



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



17.6374, 0.3135, 0.2030



27.2177, 0.3131, 0.1822



16.7130, 0.3775, 0.2557



8.1302, 0.3131, 0.3066



8.1424, 0.3103, 0.1483



0.2318, 0.3137, 0.1502

Inverse Universe

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



15.7021, 0.4566, 0.3237



23.3995, 0.5069, 0.3233



33.5007, 0.2781, 0.4194



8.0207, 0.3280, 0.3281



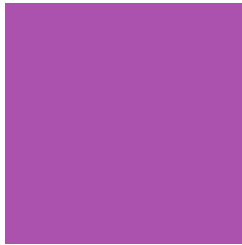
6.5410, 0.6343, 0.3268



0.1837, 0.6099, 0.3133

Previews

White Background



This preview shows how the Yxy color 17.6366, 0.3135, 0.2030 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 17.6366, 0.3135, 0.2030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

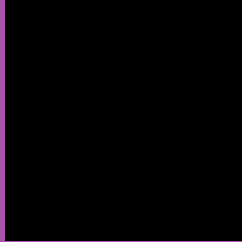
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6366, 0.3135, 0.2030

Background



This preview shows how black text looks on a background with the Yxy color 17.6366, 0.3135, 0.2030.



This preview shows how white text looks on a background with the Yxy color 17.6366, 0.3135, 0.2030.

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

17.6366, 0.3135, 0.2030

Protanopia

17.9186, 0.2064, 0.1866

Deuteranopia

17.8593, 0.2412, 0.2361



Tritanopia

17.6457, 0.3958, 0.3180

Trichromacy



Original Color

17.6366, 0.3135, 0.2030

Protanomaly

16.6880, 0.2326, 0.1865

Deuteranomaly

17.0880, 0.2635, 0.2195

Tritanomaly

17.4667, 0.3642, 0.2704

Monochromacy



Original Color

17.6366, 0.3135, 0.2030

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.5754, 0.3141, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6366, 0.3135, 0.2030 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(170, 82, 174)` looks like.

```
.text, #text, p{  
    color:rgb(170, 82, 174)  
}
```

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(170, 82, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 82, 174) }
```

Border

The CSS property to change the border of an element to Yxy 17.6366, 0.3135, 0.2030 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(170, 82, 174) }
```

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

```
.border{ border-color:rgb(170, 82, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 82, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 82, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 82, 174);  
box-shadow:4px 4px 4px 4px rgb(170, 82,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6366, 0.3135, 0.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 82, 174) }
```

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

```
.background{ background-color: rgb(170, 82,  
174) }
```

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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