

Converting Colors

$Y_{xy}(16.6383, 0.3202, 0.2025)$

Have a look what the booklet for
Yxy(16.6383, 0.3202, 0.2025)
contains.

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Color

Yxy(16.7184, 0.3200, 0.2027)

Conversions

Conversions Part 1

Format	Color
Hex	AA4DA9
RGB	170, 77, 169
RGB Percent	67%, 30%, 66%
CMY	0.3333, 0.6980, 0.3373
CMYK	0.00, 0.55, 0.01, 0.33
HSL	301°, 38%, 48%
HSV	301°, 55%, 67%
XYZ	26.3931, 16.7184, 39.3670
YIQ	115.2950, 25.8960, 48.3280

Conversions

Conversions Part 2

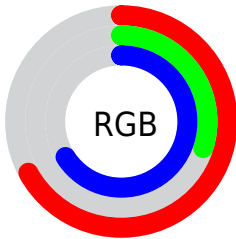
Format	Color
R_{YB}	170, 77, 169
Decimal	11161001
CIE _{Lab}	47.90, 50.76, -32.30
CIE _{LCh}	48, 60.164, 327.527
Yxy	16.7184, 0.3200, 0.2027
Android (android.graphics.Color)	4289351081 (0xFFAA4DA9)
YUV	115.2950, 26.4766, 47.9763
Hunter-Lab	40.8881, 43.6668, -28.4626

Details

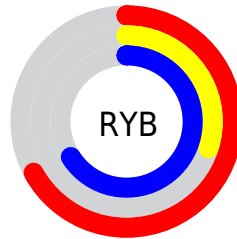
The Yxy color **16.7184, 0.3200, 0.2027** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.8804, 0.3041, 0.4991**, and the grayscale version is **17.1513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7324, 0.3195, 0.2264**, and **5.4061, 0.3184, 0.1644** is the 20% darker color. If you saturate the color by 10%, you get **14.6360, 0.3211, 0.1855**, and if you desaturate by 10%, it is **19.4240, 0.3187, 0.2230**.

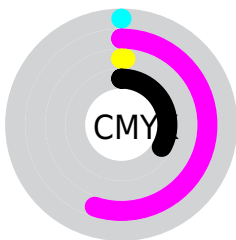
Distribution



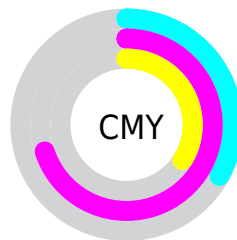
- Red (67%)
- Green (30%)
- Blue (66%)



- Red (67%)
- Yellow (30%)
- Blue (66%)



- Cyan (0%)
- Magenta (55%)
- Yellow (1%)
- Black (33%)



- Cyan (33%)
- Magenta (70%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7184, 0.3200, 0.2027 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 16.7184, 0.3200, 0.2027 by changing the saturation by 10% instead.


 16.7184, 0.3200,
0.2027


 16.7184, 0.3200,
0.2027


233.5443, 0.3185,
0.2686

 10.0339, 0.3194,
0.1857


 37.8410, 0.3201,
0.2271


 5.4215, 0.3178,
0.1639


 53.0479, 0.3200,
0.2362


 2.4966, 0.3142,
0.1351

 71.8643, 0.3198,
0.2438

 0.8749, 0.3057,
0.0967

 94.6748, 0.3195,
0.2502

 0.0000, 0.2983,
0.0000

 121.8636, 0.3193,
0.2558

 0.0000, 0.0000,
0.0000

153.8152, 0.3190,

0.2606

190.9140, 0.3188,
0.2649

■ 16.7184, 0.3200,
0.2027

■ 16.7184, 0.3200,
0.2027

■ 14.6360, 0.3211,
0.1855

■ 19.4240, 0.3187,
0.2230

■ 13.1249, 0.3221,
0.1721

■ 22.7948, 0.3174,
0.2456

■ 12.1290, 0.3228,
0.1628

■ 26.8716, 0.3160,
0.2695

■ 11.5786, 0.3234,
0.1575

■ 31.6915, 0.3146,
0.2938

■ 11.3796, 0.3236,
0.1557

■ 37.2889, 0.3133,
0.3179

■ 43.6961, 0.3121,
0.3412

■ 50.9434, 0.3109,
0.3632

■ 59.0599, 0.3098,
0.3838

■ 68.0729, 0.3088,
0.4028

Harmonies

Analogous

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



16.7184, 0.2176, 0.1716



16.7184, 0.3200, 0.2027



16.7184, 0.4422, 0.2573

Triad

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



16.7184, 0.3200, 0.2027



16.7184, 0.4700, 0.4808



16.7184, 0.1370, 0.2750

Complementary

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



16.7184, 0.3200, 0.2027



30.8804, 0.3041, 0.4991

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.



16.7184, 0.1840, 0.4052



16.7184, 0.3200, 0.2027



16.7184, 0.3754, 0.5435

Square

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



16.7184, 0.3200, 0.2027



16.7184, 0.5310, 0.4006



16.7184, 0.2715, 0.5262



16.7184, 0.1295, 0.1981

Rectangle

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



16.7184, 0.3200, 0.2027



16.7184, 0.5063, 0.3019



16.7184, 0.2715, 0.5262



16.7184, 0.1478, 0.3134

Sweetspot

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



16.7192, 0.3200, 0.2027



56.0182, 0.3149, 0.2900



9.7885, 0.2092, 0.1579



12.0890, 0.3151, 0.2851



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.



16.7192, 0.3200, 0.2027



25.7770, 0.3214, 0.1818



15.2977, 0.3885, 0.2602



7.6652, 0.3139, 0.3070



8.3707, 0.3236, 0.1556



0.2041, 0.3227, 0.1551

Inverse Universe

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



16.7192, 0.3200, 0.2027



25.7770, 0.3214, 0.1818



31.7728, 0.2742, 0.4140



7.6652, 0.3139, 0.3070



8.3707, 0.3236, 0.1556



0.2041, 0.3227, 0.1551

Previews

White Background



This preview shows how the Yxy color 16.7184, 0.3200, 0.2027 looks on a white background.

Color Contrast Check

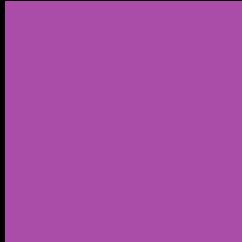
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7184, 0.3200, 0.2027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

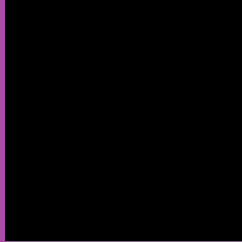
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7184, 0.3200, 0.2027

Background



This preview shows how black text looks on a background with the Yxy color 16.7184, 0.3200, 0.2027.



This preview shows how white text looks on a background with the Yxy color 16.7184, 0.3200, 0.2027.

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

16.7184, 0.3200, 0.2027

Protanopia

16.9883, 0.2049, 0.1843

Deuteranopia

16.9414, 0.2432, 0.2376



Tritanopia

16.6264, 0.4065, 0.3180

Trichromacy



Original Color

16.7184, 0.3200, 0.2027

Protanomaly

15.8695, 0.2338, 0.1858

Deuteranomaly

16.0419, 0.2665, 0.2191

Tritanomaly

16.4851, 0.3735, 0.2703

Monochromacy



Original Color

16.7184, 0.3200, 0.2027

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.2075, 0.3155, 0.2689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7184, 0.3200, 0.2027 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, 77, 169)` looks like.

```
.text, #text, p{  
    color:rgb(170, 77, 169)  
}
```

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, 77, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 77, 169) }
```

Border

The CSS property to change the border of an element to Yxy 16.7184, 0.3200, 0.2027 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, 77, 169) }
```

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

```
.border{ border-color:rgb(170, 77, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 77, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 77, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 77, 169);  
box-shadow:4px 4px 4px 4px rgb(170, 77,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7184, 0.3200, 0.2027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 77, 169) }
```

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

```
.background{ background-color: rgb(170, 77,  
169) }
```

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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