

Converting Colors

$Y_{xy}(14.1602, 0.3132, 0.1718)$

Have a look what the booklet for
Yxy(14.1602, 0.3132, 0.1718)
contains.

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Color

Yxy(14.1602, 0.3132, 0.1718)

Conversions

Conversions Part 1

Format	Color
Hex	AB33B0
RGB	171, 51, 176
RGB Percent	67%, 20%, 69%
CMY	0.3294, 0.8000, 0.3098
CMYK	0.03, 0.71, 0.00, 0.31
HSL	298°, 55%, 45%
HSV	298°, 71%, 69%
XYZ	25.8148, 14.1602, 42.4476
YIQ	101.1300, 31.3950, 64.3150

Conversions

Conversions Part 2

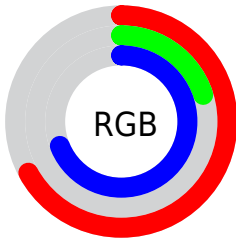
Format	Color
R_{YB}	171, 51, 176
Decimal	11219888
CIE _{Lab}	44.46, 63.19, -41.86
CIE _{LCh}	44, 75.798, 326.479
Yxy	14.1602, 0.3132, 0.1718
Android (android.graphics.Color)	4289409968 (0xFFAB33B0)
YUV	101.1300, 36.9109, 61.2760
Hunter-Lab	37.6300, 56.6010, -40.5396

Details

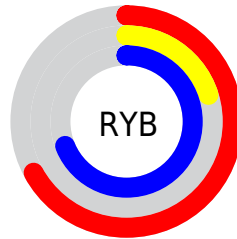
The Yxy color **14.1602, 0.3132, 0.1718** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **32.1315, 0.3046, 0.5513**, and the grayscale version is **12.9471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4215, 0.3157, 0.2016**, and **5.0749, 0.3052, 0.1455** is the 20% darker color. If you saturate the color by 10%, you get **12.8241, 0.3126, 0.1601**, and if you desaturate by 10%, it is **16.0800, 0.3136, 0.1876**.

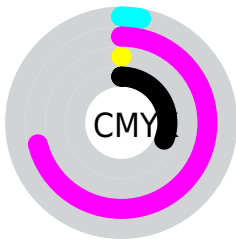
Distribution



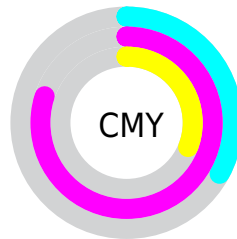
- Red (67%)
- Green (20%)
- Blue (69%)



- Red (67%)
- Yellow (20%)
- Blue (69%)



- Cyan (3%)
- Magenta (71%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (80%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1602, 0.3132, 0.1718 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 14.1602, 0.3132, 0.1718 by changing the saturation by 10% instead.


 14.1602, 0.3132,
0.1718


 14.1602, 0.3132,
0.1718


218.2252, 0.3171,
0.2524


 8.2322, 0.3104,
0.1520


 33.3730, 0.3158,
0.2011


 4.2439, 0.3056,
0.1272


 47.4266, 0.3164,
0.2122


 1.8109, 0.2968,
0.0961

 64.9575, 0.3168,
0.2215

 0.4939, 0.2813,
0.0527

 86.3500, 0.3170,
0.2295

 0.0000, 0.2482,
0.0000

 111.9887, 0.3171,
0.2364

 0.0000, 0.0000,
0.0000

 142.2578, 0.3171,

0.2424

177.5419, 0.3171,
0.2477

■ 14.1602, 0.3132,
0.1718

■ 14.1602, 0.3132,
0.1718

■ 12.8241, 0.3126,
0.1601

■ 16.0800, 0.3136,
0.1876

■ 12.0001, 0.3118,
0.1527

■ 18.6404, 0.3139,
0.2069

■ 11.5651, 0.3110,
0.1487

■ 21.8937, 0.3140,
0.2289

■ 25.8864, 0.3138,
0.2528

■ 30.6609, 0.3136,
0.2775

■ 36.2564, 0.3132,
0.3024

■ 42.7094, 0.3128,
0.3266

■ 50.0542, 0.3123,
0.3497

■ 58.3234, 0.3117,
0.3714

Harmonies

Analogous

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



14.1602, 0.1885, 0.1376



14.1602, 0.3132, 0.1718



14.1602, 0.4767, 0.2335

Triad

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



14.1602, 0.3132, 0.1718



14.1602, 0.4993, 0.4982



14.1602, 0.0983, 0.2556

Complementary

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



14.1602, 0.3132, 0.1718



32.1315, 0.3046, 0.5513

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.



14.1602, 0.1484, 0.4368



14.1602, 0.3132, 0.1718



14.1602, 0.3752, 0.5988

Square

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



14.1602, 0.3132, 0.1718



14.1602, 0.5822, 0.3918



14.1602, 0.2509, 0.6073



14.1602, 0.0925, 0.1646

Rectangle

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



14.1602, 0.3132, 0.1718



14.1602, 0.5628, 0.2831



14.1602, 0.2509, 0.6073



14.1602, 0.1091, 0.3060

Sweetspot

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



14.1608, 0.3132, 0.1718



55.2810, 0.3136, 0.2767



6.7904, 0.1801, 0.1145



11.4484, 0.3137, 0.2700



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.



14.1608, 0.3132, 0.1718



22.3348, 0.3122, 0.1555



12.9487, 0.4128, 0.2379



8.6291, 0.3131, 0.3065



8.4916, 0.3111, 0.1487



0.2725, 0.3140, 0.1503

Inverse Universe

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



11.8842, 0.5399, 0.3240



18.0777, 0.6033, 0.3258



32.8223, 0.2729, 0.4580



8.5106, 0.3281, 0.3281



6.7857, 0.6348, 0.3271



0.2153, 0.6133, 0.3152

Previews

White Background



This preview shows how the Yxy color 14.1602, 0.3132, 0.1718 looks on a white background.

Color Contrast Check

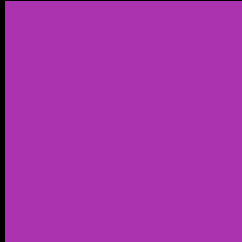
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.1602, 0.3132, 0.1718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

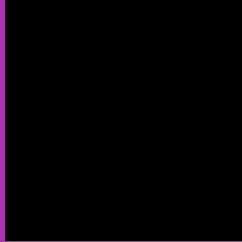
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1602, 0.3132, 0.1718

Background



This preview shows how black text looks on a background with the Yxy color 14.1602, 0.3132, 0.1718.



This preview shows how white text looks on a background with the Yxy color 14.1602, 0.3132, 0.1718.

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

14.1602, 0.3132, 0.1718

Protanopia

14.5125, 0.1739, 0.1461

Deuteranopia

14.4758, 0.2181, 0.2133



Tritanopia

14.1500, 0.4376, 0.3199

Trichromacy



Original Color

14.1602, 0.3132, 0.1718



Protanomaly

11.4749, 0.1863, 0.1358



Deuteranomaly

12.7460, 0.2426, 0.1844



Tritanomaly

13.7116, 0.3915, 0.2552

Monochromacy



Original Color

14.1602, 0.3132, 0.1718



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.1806, 0.3136, 0.2450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1602, 0.3132, 0.1718 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(171, 51, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 51, 176)  
}
```

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(171, 51, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 51, 176) }
```

Border

The CSS property to change the border of an element to Yxy 14.1602, 0.3132, 0.1718 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(171, 51, 176) }
```

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

```
.border{ border-color:rgb(171, 51, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 51, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 51, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 51, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 51,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1602, 0.3132, 0.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 51, 176) }
```

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

```
.background{ background-color: rgb(171, 51,  
176) }
```

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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