

Converting Colors

$Y_{xy}(17.1383, 0.2907, 0.2313)$

Have a look what the booklet for
Yxy(17.1383, 0.2907, 0.2313)
contains.

| | |
|---|----|
| Yxy(17.1414, 0.2907, 0.2313) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(17.1414, 0.2907, 0.2313)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 8B64A0 |
| RGB | 139, 100, 160 |
| RGB Percent | 55%, 39%, 63% |
| CMY | 0.4551, 0.6077, 0.3726 |
| CMYK | 0.13, 0.37, 0.00, 0.37 |
| HSL | 279°, 24%, 51% |
| HSV | 279°, 37%, 63% |
| XYZ | 21.5435, 17.1414, 35.4241 |
| YIQ | 118.5010, 3.9840, 26.9280 |

Conversions

Conversions Part 2

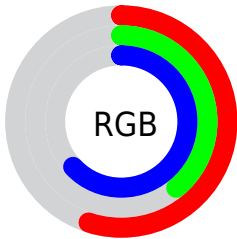
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 139, 100, 160 |
| Decimal | 9135264 |
| CIE Lab | 48.44, 27.11, -26.46 |
| CIE LCh | 48, 37.878, 315.698 |
| Yxy | 17.1414, 0.2907, 0.2313 |
| Android (android.graphics.Color) | 4287325344 (0xFF8B64A0) |
| YUV | 118.5010, 20.4590, 17.9776 |
| Hunter-Lab | 41.4022, 20.4280, -21.7475 |

Details

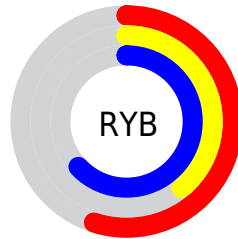
The Yxy color **17.1414, 0.2907, 0.2313** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **30.1260, 0.3272, 0.4331**, and the grayscale version is **18.2156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3770, 0.2962, 0.2508**, and **5.6134, 0.2800, 0.1975** is the 20% darker color. If you saturate the color by 10%, you get **13.8973, 0.2828, 0.2042**, and if you desaturate by 10%, it is **21.0145, 0.2978, 0.2587**.

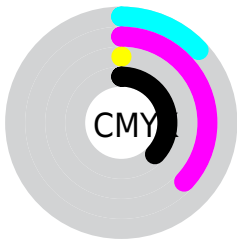
Distribution



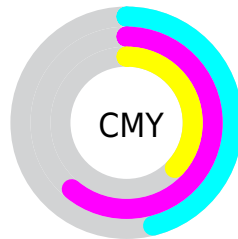
- Red (55%)
- Green (39%)
- Blue (63%)



- Red (55%)
- Yellow (39%)
- Blue (63%)



- Cyan (13%)
- Magenta (37%)
- Yellow (0%)
- Black (37%)




- Cyan (46%)
- Magenta (61%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1414, 0.2907, 0.2313 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 17.1414, 0.2907, 0.2313 by changing the saturation by 10% instead.


 17.1414, 0.2907,
0.2313


 17.1414, 0.2907,
0.2313


235.9859, 0.3045,
0.2842


 10.3354, 0.2860,
0.2168


 38.5687, 0.2966,
0.2515


 5.6219, 0.2791,
0.1974


 53.9588, 0.2985,
0.2588

 2.6165, 0.2682,
0.1706

 72.9790, 0.3000,
0.2649

 0.9350, 0.2490,
0.1318

 96.0138, 0.3013,
0.2700

 0.0000, 0.2125,
0.0000

123.4474, 0.3023,
0.2743

 0.0000, 0.0000,
0.0000

155.6644, 0.3032,

0.2781

193.0491, 0.3039,
0.2814

■ 17.1414, 0.2907,
0.2313

■ 17.1414, 0.2907,
0.2313

■ 13.8973, 0.2828,
0.2042

■ 21.0145, 0.2978,
0.2587

■ 11.2441, 0.2741,
0.1784

■ 25.5472, 0.3040,
0.2854

■ 9.1431, 0.2649,
0.1551


■ 30.7709, 0.3093,
0.3110


■ 7.5497, 0.2555,
0.1354


■ 36.7141, 0.3138,
0.3349


■ 6.4125, 0.2463,
0.1202

■ 43.4040, 0.3175,
0.3569


 5.6464, 0.2374,
0.1094

 50.8659, 0.3205,
0.3771

 5.4736, 0.2352,
0.1069

 59.1244, 0.3230,
0.3954

 68.2027, 0.3250,
0.4118

 78.1230, 0.3266,
0.4267

Harmonies

Analogous

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



17.1414, 0.2298, 0.2169



17.1414, 0.2907, 0.2313



17.1414, 0.3661, 0.2655

Triad

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



17.1414, 0.2907, 0.2313



17.1414, 0.4417, 0.4207



17.1414, 0.2048, 0.3287

Complementary

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



17.1414, 0.2907, 0.2313



30.1260, 0.3272, 0.4331

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.



17.1414, 0.2528, 0.4069



17.1414, 0.2907, 0.2313



17.1414, 0.3896, 0.4589

Square

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



17.1414, 0.2907, 0.2313



17.1414, 0.4592, 0.3678



17.1414, 0.3204, 0.4587



17.1414, 0.1852, 0.2632

Rectangle

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



17.1414, 0.2907, 0.2313



17.1414, 0.4126, 0.2964



17.1414, 0.3204, 0.4587



17.1414, 0.2179, 0.3550

Sweetspot

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



17.1421, 0.2907, 0.2313



52.1902, 0.3074, 0.3016



19.1700, 0.2519, 0.2601



11.1828, 0.3068, 0.2984



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



17.1421, 0.2907, 0.2313



26.1131, 0.2841, 0.2085



18.8580, 0.3269, 0.2494



6.6381, 0.3084, 0.3066



4.2898, 0.2360, 0.1074



0.0995, 0.2715, 0.1270

Inverse Universe

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



17.9730, 0.3698, 0.2953



27.9707, 0.3889, 0.2878



28.9306, 0.3013, 0.4245



6.6826, 0.3232, 0.3212



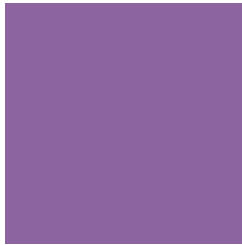
6.0528, 0.5523, 0.2816



0.1159, 0.4523, 0.2265

Previews

White Background



This preview shows how the Yxy color 17.1414, 0.2907, 0.2313 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 17.1414, 0.2907, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

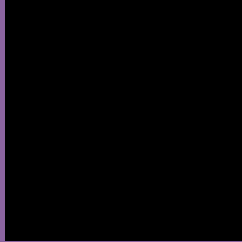
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1414, 0.2907, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 17.1414, 0.2907, 0.2313.



This preview shows how white text looks on a background with the Yxy color 17.1414, 0.2907, 0.2313.

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

17.1414, 0.2907, 0.2313

Protanopia

17.2373, 0.2372, 0.2262

Deuteranopia

17.3525, 0.2551, 0.2502



Tritanopia

17.1272, 0.3339, 0.3143

Trichromacy



Original Color

17.1414, 0.2907, 0.2313

Protanomaly

16.9599, 0.2542, 0.2267

Deuteranomaly

17.1189, 0.2668, 0.2424

Tritanomaly

17.1524, 0.3176, 0.2811

Monochromacy



Original Color

17.1414, 0.2907, 0.2313

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.7452, 0.3044, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1414, 0.2907, 0.2313 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(139, 100, 160)` looks like.

```
.text, #text, p{  
    color:rgb(139, 100, 160)  
}
```

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(139, 100, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 100, 160) }
```

Border

The CSS property to change the border of an element to Yxy 17.1414, 0.2907, 0.2313 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(139, 100, 160) }
```

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

```
.border{ border-color:rgb(139, 100, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 100, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 100, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 100, 160);  
box-shadow:4px 4px 4px 4px rgb(139, 100,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1414, 0.2907, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 100, 160) }
```

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

```
.background{ background-color: rgb(139,  
100, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor