

Converting Colors

$Y_{xy}(10.6509, 0.3177, 0.2261)$

Have a look what the booklet for
Yxy(10.6509, 0.3177, 0.2261)
contains.

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Color

Yxy(10.6280, 0.3192, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	80477F
RGB	128, 71, 127
RGB Percent	50%, 28%, 50%
CMY	0.4979, 0.7217, 0.5019
CMYK	0.00, 0.45, 0.01, 0.50
HSL	301°, 29%, 39%
HSV	301°, 45%, 50%
XYZ	14.9910, 10.6280, 21.3452
YIQ	94.4270, 15.9960, 29.5000

Conversions

Conversions Part 2

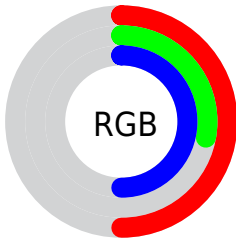
Format	Color
R_{YB}	128, 71, 127
Decimal	8406911
CIE _{Lab}	38.95, 33.31, -21.45
CIE _{LCh}	39, 39.616, 327.222
Yxy	10.6280, 0.3192, 0.2263
Android (android.graphics.Color)	4286596991 (0xFF80477F)
YUV	94.4270, 16.0585, 29.4435
Hunter-Lab	32.6006, 25.0299, -15.9997

Details

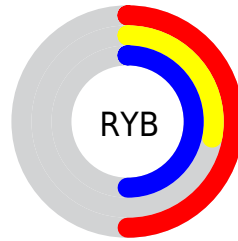
The Yxy color **10.6280, 0.3192, 0.2263** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **17.2547, 0.3056, 0.4589**, and the grayscale version is **11.2580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9151, 0.3187, 0.2496**, and **2.7406, 0.3168, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **9.1625, 0.3206, 0.2062**, and if you desaturate by 10%, it is **12.4376, 0.3177, 0.2484**.

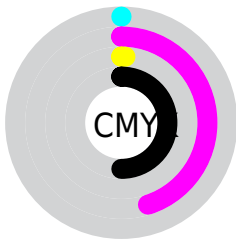
Distribution



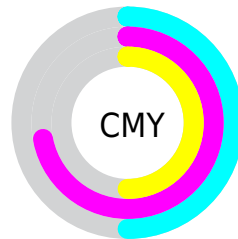
- Red (50%)
- Green (28%)
- Blue (50%)



- Red (50%)
- Yellow (28%)
- Blue (50%)



- Cyan (0%)
- Magenta (45%)
- Yellow (1%)
- Black (50%)





- Cyan (50%)
- Magenta (72%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6280, 0.3192, 0.2263 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 10.6280, 0.3192, 0.2263 by changing the saturation by 10% instead.


 10.6280, 0.3192,
0.2263


 10.6280, 0.3192,
0.2263


195.0973, 0.3169,
0.2853


 5.8173, 0.3190,
0.2085


 26.9702, 0.3188,
0.2499


 2.7343, 0.3178,
0.1836

 39.2705, 0.3185,
0.2581

 0.9946, 0.3140,
0.1470

 54.8360, 0.3182,
0.2647

 0.0000, 0.3289,
0.0000

 74.0513, 0.3179,
0.2703

 0.0000, 0.0000,
0.0000

 97.3007, 0.3176,
0.2749

124.9685, 0.3174,

0.2789

157.4393, 0.3171,
0.2823

■ 10.6280, 0.3192,
0.2263

■ 10.6280, 0.3192,
0.2263

■ 9.1625, 0.3206,
0.2062

■ 12.4376, 0.3177,
0.2484

■ 8.0180, 0.3220,
0.1889

■ 14.6098, 0.3162,
0.2717

■ 7.1707, 0.3231,
0.1752

■ 17.1633, 0.3147,
0.2953

■ 6.5930, 0.3241,
0.1653

■ 20.1153, 0.3133,
0.3186

■ 6.2462, 0.3249,
0.1593

■ 23.4819, 0.3120,
0.3411

■ 6.0919, 0.3253,
0.1566

■ 27.2781, 0.3108,
0.3625

■ 31.5185, 0.3097,
0.3824

■ 36.2168, 0.3086,
0.4009

■ 41.3861, 0.3077,
0.4179

Harmonies

Analogous

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



10.6280, 0.2373, 0.2001



10.6280, 0.3192, 0.2263



10.6280, 0.4120, 0.2727

Triad

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



10.6280, 0.3192, 0.2263



10.6280, 0.4449, 0.4569



10.6280, 0.1711, 0.2918

Complementary

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



10.6280, 0.3192, 0.2263



17.2547, 0.3056, 0.4589

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.



10.6280, 0.2134, 0.3886



10.6280, 0.3192, 0.2263



10.6280, 0.3709, 0.4954

Square

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



10.6280, 0.3192, 0.2263



10.6280, 0.4873, 0.3953



10.6280, 0.2862, 0.4745



10.6280, 0.1624, 0.2271

Rectangle

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



10.6280, 0.3192, 0.2263



10.6280, 0.4612, 0.3110



10.6280, 0.2862, 0.4745



10.6280, 0.1813, 0.3216

Sweetspot

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



10.6285, 0.3192, 0.2263



30.8178, 0.3146, 0.2983



7.4381, 0.2341, 0.1975



6.9971, 0.3148, 0.2937



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



10.6285, 0.3192, 0.2263



16.2017, 0.3206, 0.2069



9.9881, 0.3689, 0.2752



4.4111, 0.3140, 0.3081



6.0367, 0.3253, 0.1566



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6285, 0.3192, 0.2263



16.2017, 0.3206, 0.2069



17.7158, 0.2792, 0.3912



4.4111, 0.3140, 0.3081



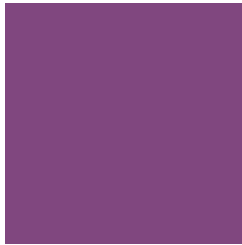
6.0367, 0.3253, 0.1566



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.6280, 0.3192, 0.2263 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 10.6280, 0.3192, 0.2263 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 10.6280, 0.3192, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 10.6280, 0.3192, 0.2263.



This preview shows how white text looks on a background with the Yxy color 10.6280, 0.3192, 0.2263.

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

10.6280, 0.3192, 0.2263

Protanopia

10.8818, 0.2298, 0.2185

Deuteranopia

10.7970, 0.2612, 0.2570



Tritanopia

10.6202, 0.3794, 0.3168

Trichromacy



Original Color

10.6280, 0.3192, 0.2263

Protanomaly

10.4739, 0.2557, 0.2195

Deuteranomaly

10.5052, 0.2804, 0.2441

Tritanomaly

10.6073, 0.3569, 0.2812

Monochromacy



Original Color

10.6280, 0.3192, 0.2263

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.7604, 0.3148, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6280, 0.3192, 0.2263 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(128, 71, 127)` looks like.

```
.text, #text, p{  
  color:rgb(128, 71, 127)  
}
```

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(128, 71, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 71, 127) }
```

Border

The CSS property to change the border of an element to Yxy 10.6280, 0.3192, 0.2263 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(128, 71, 127) }
```

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

```
.border{ border-color:rgb(128, 71, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 71, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 71, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 71, 127);  
box-shadow:4px 4px 4px 4px rgb(128, 71,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6280, 0.3192, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 71, 127) }
```

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

```
.background{ background-color: rgb(128, 71,  
127) }
```

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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