

Converting Colors

$Y_{xy}(10.7666, 0.4469, 0.2243)$

Have a look what the booklet for
Yxy(10.7666, 0.4469, 0.2243)
contains.

Yxy(10.7529, 0.4475, 0.2246)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7529, 0.4475, 0.2246)

Conversions

Conversions Part 1

Format	Color
Hex	B3026E
RGB	179, 2, 110
RGB Percent	70%, 1%, 43%
CMY	0.2981, 0.9918, 0.5686
CMYK	0.00, 0.99, 0.39, 0.30
HSL	323°, 98%, 36%
HSV	323°, 99%, 70%
XYZ	21.4244, 10.7529, 15.6985
YIQ	67.2350, 70.8240, 71.1120

Conversions

Conversions Part 2

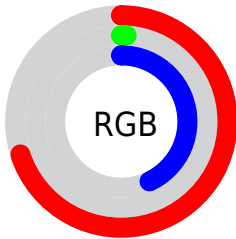
Format	Color
R_{YB}	179, 2, 110
Decimal	11731566
CIE _{Lab}	39.16, 66.53, -9.77
CIE _{LCh}	39, 67.244, 351.648
Yxy	10.7529, 0.4475, 0.2246
Android (android.graphics.Color)	4289921646 (0xFFB3026E)
YUV	67.2350, 21.0831, 98.0179
Hunter-Lab	32.7916, 59.2377, -5.4300

Details

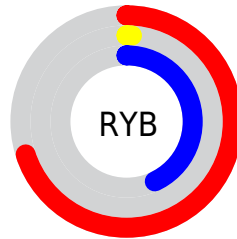
The Yxy color **10.7529, 0.4475, 0.2246** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **32.7046, 0.2817, 0.5329**, and the grayscale version is **5.6185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1459, 0.4133, 0.2481**, and **4.3409, 0.4814, 0.2425** is the 20% darker color. If you saturate the color by 10%, you get **10.6902, 0.4496, 0.2250**, and if you desaturate by 10%, it is **11.3663, 0.4300, 0.2217**.

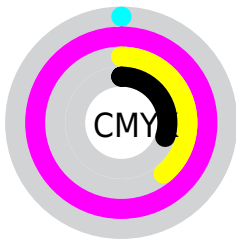
Distribution



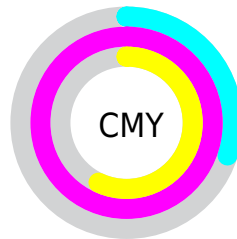
- Red (70%)
- Green (1%)
- Blue (43%)



- Red (70%)
- Yellow (1%)
- Blue (43%)



- Cyan (0%)
- Magenta (99%)
- Yellow (39%)
- Black (30%)





- Cyan (30%)
- Magenta (99%)
- Yellow (57%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7529, 0.4475, 0.2246 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 10.7529, 0.4475, 0.2246 by changing the saturation by 10% instead.


 10.7529, 0.4475,
0.2246


 10.7529, 0.4475,
0.2246


195.9644, 0.3668,
0.2850


 5.9009, 0.4736,
0.2063


 27.2023, 0.4142,
0.2488


 2.7849, 0.5115,
0.1806

 39.5686, 0.4030,
0.2572


 1.0205, 0.5708,
0.1430

 55.2084, 0.3940,
0.2641

 0.0000, 0.7499,
0.0000

 74.5061, 0.3866,
0.2697

 0.0000, 1.0000,
0.0000

 97.8462, 0.3804,
0.2744

 0.0000, 0.0000,
0.0000

 125.6130, 0.3752,

0.2785

158.1909, 0.3707,
0.2820

■ 10.7529, 0.4475,
0.2246

■ 10.7529, 0.4475,
0.2246

■ 10.6902, 0.4496,
0.2250

■ 11.3663, 0.4300,
0.2217

■ 12.4160, 0.4123,
0.2234

■ 14.0277, 0.3948,
0.2300

■ 16.2715, 0.3782,
0.2404

■ 19.2071, 0.3631,
0.2537

■ 22.8874, 0.3495,
0.2688

■ 27.3599, 0.3378,
0.2846

■ 32.6683, 0.3277,
0.3005

■ 38.8529, 0.3191,
0.3159

Harmonies

Analogous

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



10.7529, 0.2901, 0.1673



10.7529, 0.4475, 0.2246



10.7529, 0.5707, 0.2981

Triad

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



10.7529, 0.4475, 0.2246



10.7529, 0.3981, 0.5829



10.7529, 0.0948, 0.1779

Complementary

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



10.7529, 0.4475, 0.2246



32.7046, 0.2817, 0.5329

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.



10.7529, 0.1068, 0.2807



10.7529, 0.4475, 0.2246



10.7529, 0.2731, 0.6096

Square

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



10.7529, 0.4475, 0.2246



10.7529, 0.5159, 0.4810



10.7529, 0.1658, 0.4669



10.7529, 0.1167, 0.1392

Rectangle

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



10.7529, 0.4475, 0.2246



10.7529, 0.5924, 0.3507



10.7529, 0.1658, 0.4669



10.7529, 0.0947, 0.2031

Sweetspot

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



10.7535, 0.4475, 0.2246



47.5613, 0.3396, 0.2819



4.5982, 0.1833, 0.0790



9.7809, 0.3444, 0.2753



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



10.7535, 0.4475, 0.2246



19.1037, 0.4523, 0.2265



9.6885, 0.6227, 0.3216



8.5894, 0.3195, 0.3152



7.5685, 0.4477, 0.2240



0.2492, 0.4037, 0.1998

Inverse Universe

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



10.7535, 0.4475, 0.2246



19.1037, 0.4523, 0.2265



34.7292, 0.2350, 0.3652



8.5894, 0.3195, 0.3152



7.5685, 0.4477, 0.2240



0.2492, 0.4037, 0.1998

Previews

White Background



This preview shows how the Yxy color 10.7529, 0.4475, 0.2246 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 10.7529, 0.4475, 0.2246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

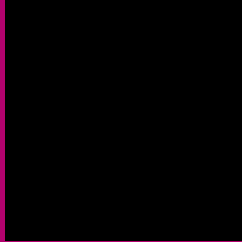
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7529, 0.4475, 0.2246

Background



This preview shows how black text looks on a background with the Yxy color 10.7529, 0.4475, 0.2246.



This preview shows how white text looks on a background with the Yxy color 10.7529, 0.4475, 0.2246.

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

10.7529, 0.4475, 0.2246

Protanopia

11.5263, 0.2153, 0.1990

Deuteranopia

11.3229, 0.3107, 0.3064



Tritanopia

11.1048, 0.5640, 0.3287

Trichromacy



Original Color

10.7529, 0.4475, 0.2246



Protanomaly

8.3429, 0.2677, 0.1771



Deuteranomaly

8.8150, 0.3622, 0.2425



Tritanomaly

10.5385, 0.5306, 0.2880

Monochromacy



Original Color

10.7529, 0.4475, 0.2246



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.5404, 0.3752, 0.2414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7529, 0.4475, 0.2246 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(179, 2, 110)` looks like.

```
.text, #text, p{  
    color:rgb(179, 2, 110)  
}
```

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(179, 2, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 2, 110) }
```

Border

The CSS property to change the border of an element to Yxy 10.7529, 0.4475, 0.2246 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(179, 2, 110) }
```

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

```
.border{ border-color:rgb(179, 2, 110) }
```

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

Here you see how a box with a 4 pixel rgb(179, 2, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 2, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 2, 110);  
box-shadow:4px 4px 4px 4px rgb(179, 2,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7529, 0.4475, 0.2246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 2, 110) }
```

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

```
.background{ background-color: rgb(179, 2,  
110) }
```

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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