

Converting Colors

$Y_{xy}(12.4333, 0.4020, 0.2154)$

Have a look what the booklet for
Yxy(12.4333, 0.4020, 0.2154)
contains.

Yxy(12.4304, 0.4028, 0.2160)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4304, 0.4028, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	B32481
RGB	179, 36, 129
RGB Percent	70%, 14%, 51%
CMY	0.2981, 0.8587, 0.4942
CMYK	0.00, 0.80, 0.28, 0.30
HSL	321°, 66%, 42%
HSV	321°, 80%, 70%
XYZ	23.1804, 12.4304, 21.9374
YIQ	89.3590, 55.3750, 59.2390

Conversions

Conversions Part 2

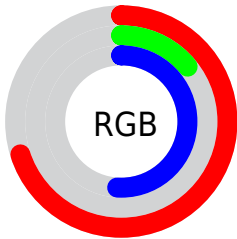
Format	Color
R_{YB}	179, 36, 129
Decimal	11740289
CIE _{Lab}	41.89, 62.86, -17.43
CIE _{LCh}	42, 65.228, 344.498
Yxy	12.4304, 0.4028, 0.2160
Android (android.graphics.Color)	4289930369 (0xFFB32481)
YUV	89.3590, 19.5430, 78.6152
Hunter-Lab	35.2568, 55.6597, -12.2115

Details

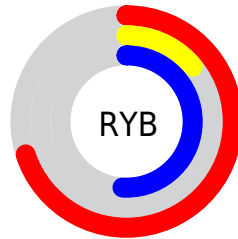
The Yxy color **12.4304, 0.4028, 0.2160** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **33.2845, 0.2804, 0.5037**, and the grayscale version is **10.0247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2899, 0.3817, 0.2405**, and **4.7168, 0.4269, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **11.4426, 0.4182, 0.2140**, and if you desaturate by 10%, it is **13.9713, 0.3875, 0.2229**.

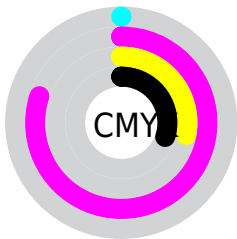
Distribution



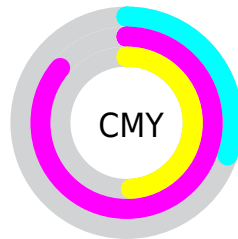
- Red (70%)
- Green (14%)
- Blue (51%)



- Red (70%)
- Yellow (14%)
- Blue (51%)



- Cyan (0%)
- Magenta (80%)
- Yellow (28%)
- Black (30%)




- Cyan (30%)
- Magenta (86%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4304, 0.4028, 0.2160 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 12.4304, 0.4028, 0.2160 by changing the saturation by 10% instead.


 12.4304, 0.4028,
0.2160


 12.4304, 0.4028,
0.2160


207.2342, 0.3512,
0.2787


 7.0375, 0.4183,
0.1982


 30.2766, 0.3823,
0.2403


 3.4856, 0.4399,
0.1743


 43.4987, 0.3751,
0.2490


 1.3902, 0.4720,
0.1406

 60.0993, 0.3693,
0.2562

 0.2095, 0.5450,
0.0547

 80.4629, 0.3644,
0.2621

 0.0000, 0.7383,
0.0000

 104.9738, 0.3604,
0.2672

 0.0000, 0.0000,
0.0000

 134.0163, 0.3569,

0.2716

167.9750, 0.3539,
0.2754

■ 12.4304, 0.4028,
0.2160

■ 12.4304, 0.4028,
0.2160

■ 11.4426, 0.4182,
0.2140

■ 13.9713, 0.3875,
0.2229

■ 10.8592, 0.4333,
0.2162

■ 16.1346, 0.3729,
0.2337

■ 10.8518, 0.4335,
0.2162

■ 18.9815, 0.3594,
0.2476

■ 22.5654, 0.3472,
0.2634

■ 26.9343, 0.3365,
0.2800

■ 32.1321, 0.3272,
0.2969

■ 38.1994, 0.3193,
0.3134

■ 45.1744, 0.3126,
0.3292

■ 53.0926, 0.3070,
0.3441

Harmonies

Analogous

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



12.4304, 0.2622, 0.1665



12.4304, 0.4028, 0.2160



12.4304, 0.5332, 0.2851

Triad

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



12.4304, 0.4028, 0.2160



12.4304, 0.4247, 0.5474



12.4304, 0.1047, 0.2046

Complementary

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



12.4304, 0.4028, 0.2160



33.2845, 0.2804, 0.5037

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.



12.4304, 0.1273, 0.3214



12.4304, 0.4028, 0.2160



12.4304, 0.3076, 0.5940

Square

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



12.4304, 0.4028, 0.2160



12.4304, 0.5251, 0.4511



12.4304, 0.1980, 0.4975



12.4304, 0.1181, 0.1544

Rectangle

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



12.4304, 0.4028, 0.2160



12.4304, 0.5729, 0.3357



12.4304, 0.1980, 0.4975



12.4304, 0.1078, 0.2348

Sweetspot

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



12.4311, 0.4028, 0.2160



53.1374, 0.3312, 0.2893



6.3892, 0.1999, 0.1030



11.0608, 0.3346, 0.2833



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.



12.4311, 0.4028, 0.2160



19.7023, 0.4298, 0.2158



11.1716, 0.5479, 0.3056



8.5952, 0.3189, 0.3143



7.6821, 0.4319, 0.2153



0.2522, 0.3938, 0.1943

Inverse Universe

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



12.4311, 0.4028, 0.2160



19.7023, 0.4298, 0.2158



34.9837, 0.2413, 0.3706



8.5952, 0.3189, 0.3143



7.6821, 0.4319, 0.2153



0.2522, 0.3938, 0.1943

Previews

White Background



This preview shows how the Yxy color 12.4304, 0.4028, 0.2160 looks on a white background.

Color Contrast Check

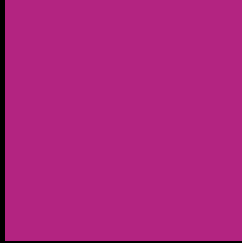
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4304, 0.4028, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

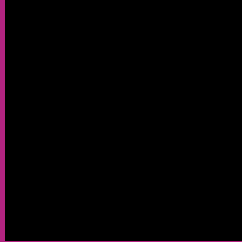
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4304, 0.4028, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 12.4304, 0.4028, 0.2160.



This preview shows how white text looks on a background with the Yxy color 12.4304, 0.4028, 0.2160.

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

12.4304, 0.4028, 0.2160

Protanopia

12.9496, 0.2066, 0.1877

Deuteranopia

12.7685, 0.2843, 0.2800



Tritanopia

12.4855, 0.5178, 0.3246

Trichromacy



Original Color

12.4304, 0.4028, 0.2160

Protanomaly

10.6266, 0.2500, 0.1801

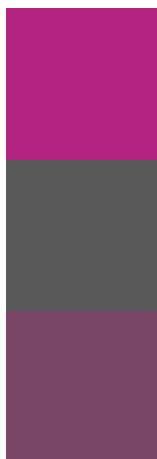
Deuteranomaly

11.0766, 0.3235, 0.2380

Tritanomaly

12.2859, 0.4796, 0.2832

Monochromacy



Original Color

12.4304, 0.4028, 0.2160

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.5174, 0.3484, 0.2608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4304, 0.4028, 0.2160 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, 36, 129)` looks like.

```
.text, #text, p{  
    color:rgb(179, 36, 129)  
}
```

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, 36, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 36, 129) }
```

Border

The CSS property to change the border of an element to Yxy 12.4304, 0.4028, 0.2160 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, 36, 129) }
```

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

```
.border{ border-color:rgb(179, 36, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 36, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 36, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 36, 129);  
box-shadow:4px 4px 4px 4px rgb(179, 36,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4304, 0.4028, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 36, 129) }
```

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

```
.background{ background-color: rgb(179, 36,  
129) }
```

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