

Converting Colors

$Y_{xy}(12.3614, 0.4944, 0.2539)$

Have a look what the booklet for
Yxy(12.3614, 0.4944, 0.2539)
contains.

Yxy(12.3139, 0.4947, 0.2540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3139, 0.4947, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	C00C60
RGB	192, 12, 96
RGB Percent	75%, 5%, 38%
CMY	0.2470, 0.9530, 0.6235
CMYK	0.00, 0.94, 0.50, 0.25
HSL	332°, 88%, 40%
HSV	332°, 94%, 75%
XYZ	23.9830, 12.3139, 12.1830
YIQ	75.3960, 80.3160, 64.2840

Conversions

Conversions Part 2

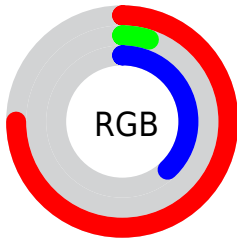
Format	Color
RYB	192, 12, 96
Decimal	12586080
CIELab	41.71, 67.20, 3.13
CIElCh	42, 67.275, 2.664
Yxy	12.3139, 0.4947, 0.2540
Android (android.graphics.Color)	4290776160 (0xFFC00C60)
YUV	75.3960, 10.1578, 102.2617
Hunter-Lab	35.0912, 60.5861, 3.9794

Details

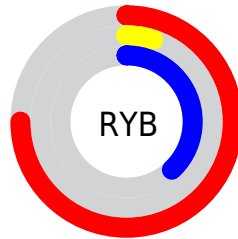
The Yxy color **12.3139, 0.4947, 0.2540** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **38.8625, 0.2676, 0.4792**, and the grayscale version is **7.0798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1256, 0.4502, 0.2737**, and **5.1358, 0.5395, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **11.9393, 0.5106, 0.2586**, and if you desaturate by 10%, it is **13.2426, 0.4685, 0.2497**.

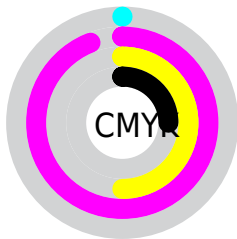
Distribution



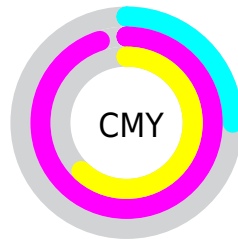
- Red (75%)
- Green (5%)
- Blue (38%)



- Red (75%)
- Yellow (5%)
- Blue (38%)



- Cyan (0%)
- Magenta (94%)
- Yellow (50%)
- Black (25%)





- Cyan (25%)
- Magenta (95%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3139, 0.4947, 0.2540 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 12.3139, 0.4947, 0.2540 by changing the saturation by 10% instead.

 12.3139, 0.4947,
0.2540


 12.3139, 0.4947,
0.2540


206.4725, 0.3853,
0.3000


 6.9578, 0.5299,
0.2387


 30.0655, 0.4495,
0.2733


 3.4357, 0.5805,
0.2163

 43.2299, 0.4343,
0.2797


 1.3632, 0.6576,
0.1813

 59.7658, 0.4220,
0.2848

 0.1894, 0.9223,
0.0777

 80.0577, 0.4120,
0.2890

 0.0000, 1.0000,
0.0000

 104.4899, 0.4037,
0.2924

 0.0000, 0.0000,
0.0000

 133.4468, 0.3966,

0.2953

167.3129, 0.3905,
0.2978

■ 12.3139, 0.4947,
0.2540

■ 12.3139, 0.4947,
0.2540

■ 11.9393, 0.5106,
0.2586

■ 13.2426, 0.4685,
0.2497

■ 14.7935, 0.4418,
0.2506

■ 17.0605, 0.4162,
0.2562

■ 20.1208, 0.3927,
0.2651

■ 24.0414, 0.3720,
0.2762

■ 28.8825, 0.3542,
0.2884

■ 34.6984, 0.3391,
0.3008

■ 41.5394, 0.3266,
0.3131

■ 49.4523, 0.3161,
0.3248

Harmonies

Analogous

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



12.3139, 0.3445, 0.1900



12.3139, 0.4947, 0.2540



12.3139, 0.5790, 0.3292

Triad

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



12.3139, 0.4947, 0.2540



12.3139, 0.3526, 0.5955



12.3139, 0.1046, 0.1638

Complementary

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



12.3139, 0.4947, 0.2540



38.8625, 0.2676, 0.4792

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.



12.3139, 0.1041, 0.2377



12.3139, 0.4947, 0.2540



12.3139, 0.2350, 0.5638

Square

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



12.3139, 0.4947, 0.2540



12.3139, 0.4712, 0.5150



12.3139, 0.1441, 0.3900



12.3139, 0.1388, 0.1407

Rectangle

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



12.3139, 0.4947, 0.2540



12.3139, 0.5751, 0.3836



12.3139, 0.1441, 0.3900



12.3139, 0.1007, 0.1814

Sweetspot

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



12.3146, 0.4947, 0.2540



57.7024, 0.3459, 0.2950



7.0713, 0.2120, 0.0969



11.4267, 0.3526, 0.2896



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.3146, 0.4947, 0.2540



21.5818, 0.5142, 0.2606



11.5749, 0.6284, 0.3310



10.1544, 0.3217, 0.3183



8.0487, 0.5076, 0.2570



0.3617, 0.4553, 0.2282

Inverse Universe

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



12.3146, 0.4947, 0.2540



21.5818, 0.5142, 0.2606



40.2822, 0.2241, 0.3240



10.1544, 0.3217, 0.3183



8.0487, 0.5076, 0.2570



0.3617, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 12.3139, 0.4947, 0.2540 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 12.3139, 0.4947, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

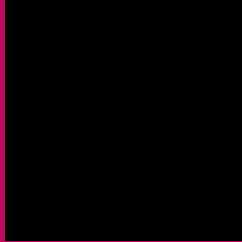
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3139, 0.4947, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 12.3139, 0.4947, 0.2540.



This preview shows how white text looks on a background with the Yxy color 12.3139, 0.4947, 0.2540.

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

12.3139, 0.4947, 0.2540

Protanopia

12.8825, 0.2538, 0.2483

Deuteranopia

12.6477, 0.3527, 0.3463



Tritanopia

12.4163, 0.5865, 0.3298

Trichromacy



Original Color

12.3139, 0.4947, 0.2540



Protanomaly

9.8800, 0.3227, 0.2247



Deuteranomaly

10.2867, 0.4112, 0.2833



Tritanomaly

12.1521, 0.5612, 0.3032

Monochromacy



Original Color

12.3139, 0.4947, 0.2540



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.9321, 0.3920, 0.2649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3139, 0.4947, 0.2540 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(192, 12, 96)` looks like.

```
.text, #text, p{  
    color:rgb(192, 12, 96)  
}
```

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(192, 12, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 12, 96) }
```

Border

The CSS property to change the border of an element to Yxy 12.3139, 0.4947, 0.2540 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(192, 12, 96) }
```

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

```
.border{ border-color:rgb(192, 12, 96) }
```

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

Here you see how a box with a 4 pixel rgb(192, 12, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 12, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 12, 96);  
box-shadow:4px 4px 4px 4px rgb(192, 12,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3139, 0.4947, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 12, 96) }
```

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

```
.background{ background-color: rgb(192, 12,  
96) }
```

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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