

Converting Colors

$Yxy(13.0246, 0.4960, 0.2565)$

Have a look what the booklet for
Yxy(13.0246, 0.4960, 0.2565)
contains.

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Color

Yxy(12.9997, 0.4963, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	C41161
RGB	196, 17, 97
RGB Percent	77%, 7%, 38%
CMY	0.2314, 0.9333, 0.6195
CMYK	0.00, 0.91, 0.51, 0.23
HSL	333°, 84%, 42%
HSV	333°, 91%, 77%
XYZ	25.1236, 12.9997, 12.4985
YIQ	79.6410, 81.0040, 62.8280

Conversions

Conversions Part 2

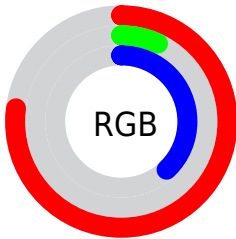
Format	Color
R_{YB}	196, 17, 97
Decimal	12849505
CIE _{Lab}	42.76, 67.60, 4.12
CIE _{LCh}	43, 67.724, 3.484
Yxy	12.9997, 0.4963, 0.2568
Android (android.graphics.Color)	4291039585 (0xFFC41161)
YUV	79.6410, 8.5580, 102.0468
Hunter-Lab	36.0551, 61.2846, 4.6856

Details

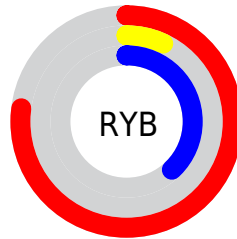
The Yxy color **12.9997, 0.4963, 0.2568** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **40.8598, 0.2653, 0.4687**, and the grayscale version is **7.9223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6789, 0.4490, 0.2746**, and **5.4733, 0.5417, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **12.4338, 0.5193, 0.2634**, and if you desaturate by 10%, it is **14.1147, 0.4686, 0.2533**.

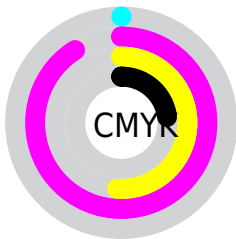
Distribution



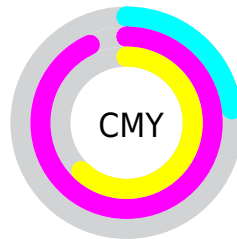
- Red (77%)
- Green (7%)
- Blue (38%)



- Red (77%)
- Yellow (7%)
- Blue (38%)



- Cyan (0%)
- Magenta (91%)
- Yellow (51%)
- Black (23%)




- Cyan (23%)
- Magenta (93%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9997, 0.4963, 0.2568 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 12.9997, 0.4963, 0.2568 by changing the saturation by 10% instead.


 12.9997, 0.4963,
0.2568


 12.9997, 0.4963,
0.2568

210.9157, 0.3866,
0.3011


 7.4283, 0.5312,
0.2421


 31.3032, 0.4513,
0.2754


 3.7314, 0.5810,
0.2206

 44.8042, 0.4360,
0.2815


 1.5245, 0.6559,
0.1870

 61.7172, 0.4237,
0.2865

 0.3059, 0.8764,
0.1077

 82.4265, 0.4136,
0.2905

 0.0000, 1.0000,
0.0000

 107.3167, 0.4052,
0.2938

 0.0000, 0.0000,
0.0000

 136.7720, 0.3980,

0.2966

171.1769, 0.3919,
0.2990

■ 12.9997, 0.4963,
0.2568

■ 12.9997, 0.4963,
0.2568

■ 12.4338, 0.5193,
0.2634

■ 14.1147, 0.4686,
0.2533

■ 15.9096, 0.4408,
0.2550

■ 18.4785, 0.4144,
0.2610

■ 21.8997, 0.3905,
0.2701

■ 26.2420, 0.3695,
0.2811

■ 31.5671, 0.3517,
0.2929

■ 37.9310, 0.3367,
0.3049

■ 45.3860, 0.3242,
0.3165

■ 53.9803, 0.3139,
0.3276

Harmonies

Analogous

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



12.9997, 0.3484, 0.1926



12.9997, 0.4963, 0.2568



12.9997, 0.5772, 0.3319

Triad

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



12.9997, 0.4963, 0.2568



12.9997, 0.3498, 0.5941



12.9997, 0.1065, 0.1641

Complementary

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



12.9997, 0.4963, 0.2568



40.8598, 0.2653, 0.4687

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.



12.9997, 0.1052, 0.2359



12.9997, 0.4963, 0.2568



12.9997, 0.2332, 0.5573

Square

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



12.9997, 0.4963, 0.2568



12.9997, 0.4670, 0.5160



12.9997, 0.1440, 0.3844



12.9997, 0.1416, 0.1420

Rectangle

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



12.9997, 0.4963, 0.2568



12.9997, 0.5719, 0.3864



12.9997, 0.1440, 0.3844



12.9997, 0.1024, 0.1811

Sweetspot

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



13.0005, 0.4963, 0.2568



61.4469, 0.3455, 0.2976



8.0628, 0.2211, 0.1031



12.3370, 0.3510, 0.2934



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



13.0005, 0.4963, 0.2568



22.4744, 0.5229, 0.2654



12.5134, 0.6201, 0.3340



10.1510, 0.3220, 0.3188



8.0061, 0.5159, 0.2616



0.3598, 0.4615, 0.2316

Inverse Universe

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



13.0005, 0.4963, 0.2568



22.4744, 0.5229, 0.2654



39.6668, 0.2219, 0.3147



10.1510, 0.3220, 0.3188



8.0061, 0.5159, 0.2616



0.3598, 0.4615, 0.2316

Previews

White Background



This preview shows how the Yxy color 12.9997, 0.4963, 0.2568 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 12.9997, 0.4963, 0.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

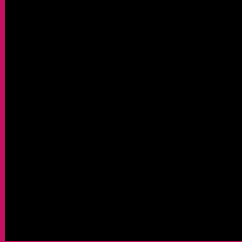
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9997, 0.4963, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 12.9997, 0.4963, 0.2568.



This preview shows how white text looks on a background with the Yxy color 12.9997, 0.4963, 0.2568.

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

12.9997, 0.4963, 0.2568

Protanopia

13.4468, 0.2567, 0.2515

Deuteranopia

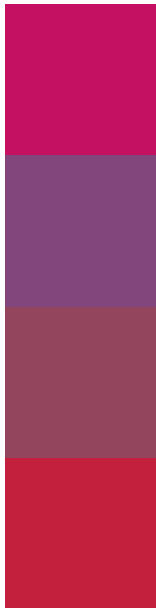
13.4269, 0.3546, 0.3501



Tritanopia

13.0834, 0.5845, 0.3298

Trichromacy



Original Color

12.9997, 0.4963, 0.2568

Protanomaly

10.5814, 0.3273, 0.2304

Deuteranomaly

11.1399, 0.4135, 0.2894

Tritanomaly

12.8393, 0.5608, 0.3050

Monochromacy



Original Color

12.9997, 0.4963, 0.2568

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.7357, 0.3903, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9997, 0.4963, 0.2568 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(196, 17, 97)` looks like.

```
.text, #text, p{  
  color:rgb(196, 17, 97)  
}
```

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(196, 17, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 17, 97) }
```

Border

The CSS property to change the border of an element to Yxy 12.9997, 0.4963, 0.2568 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(196, 17, 97) }
```

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

```
.border{ border-color:rgb(196, 17, 97) }
```

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

Here you see how a box with a 4 pixel rgb(196, 17, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 17, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 17, 97);  
box-shadow:4px 4px 4px 4px rgb(196, 17,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9997, 0.4963, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 17, 97) }
```

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

```
.background{ background-color: rgb(196, 17,  
97) }
```

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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