

Converting Colors

$Y_{xy}(13.6547, 0.4503, 0.2323)$

Have a look what the booklet for
Yxy(13.6547, 0.4503, 0.2323)
contains.

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Color

Yxy(13.6040, 0.4494, 0.2319)

Conversions

Conversions Part 1

Format	Color
Hex	C41577
RGB	196, 21, 119
RGB Percent	77%, 8%, 47%
CMY	0.2314, 0.9176, 0.5332
CMYK	0.00, 0.89, 0.39, 0.23
HSL	326°, 81%, 43%
HSV	326°, 89%, 77%
XYZ	26.3632, 13.6040, 18.6960
YIQ	84.4970, 72.8420, 67.5780

Conversions

Conversions Part 2

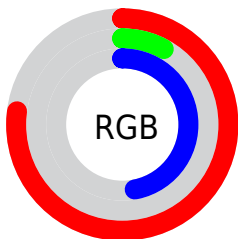
Format	Color
R_{YB}	196, 21, 119
Decimal	12850551
CIE _{Lab}	43.66, 68.93, -8.30
CIE _{LCh}	44, 69.424, 353.132
Yxy	13.6040, 0.4494, 0.2319
Android (android.graphics.Color)	4291040631 (0xFFC41577)
YUV	84.4970, 17.0100, 97.7881
Hunter-Lab	36.8836, 63.0399, -4.2351

Details

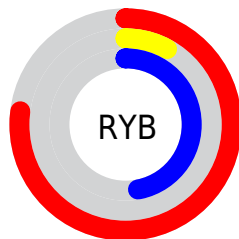
The Yxy color **13.6040, 0.4494, 0.2319** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **40.5196, 0.2748, 0.5004**, and the grayscale version is **8.9293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0290, 0.4151, 0.2532**, and **5.6892, 0.4816, 0.2427** is the 20% darker color. If you saturate the color by 10%, you get **12.9006, 0.4698, 0.2366**, and if you desaturate by 10%, it is **14.8441, 0.4285, 0.2320**.

Distribution



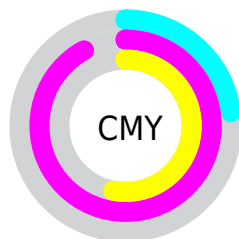
- Red (77%)
- Green (8%)
- Blue (47%)



- Red (77%)
- Yellow (8%)
- Blue (47%)



- Cyan (0%)
- Magenta (89%)
- Yellow (39%)
- Black (23%)




- Cyan (23%)
- Magenta (92%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6040, 0.4494, 0.2319 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 13.6040, 0.4494, 0.2319 by changing the saturation by 10% instead.


 13.6040, 0.4494,
0.2319


 13.6040, 0.4494,
0.2319


214.7532, 0.3697,
0.2868


 7.8458, 0.4740,
0.2158

 32.3847, 0.4172,
0.2536


 3.9964, 0.5088,
0.1937

 46.1760, 0.4061,
0.2612


 1.6716, 0.5612,
0.1619

 63.4137, 0.3972,
0.2674

 0.4051, 0.6590,
0.0968

 84.4823, 0.3898,
0.2726

 0.0000, 1.0000,
0.0000

 109.7662, 0.3835,
0.2770

 0.0000, 0.0000,
0.0000

 139.6497, 0.3782,

0.2807

174.5172, 0.3737,
0.2840

■ 13.6040, 0.4494,
0.2319

■ 13.6040, 0.4494,
0.2319

■ 12.9006, 0.4698,
0.2366

■ 14.8441, 0.4285,
0.2320

■ 12.8562, 0.4713,
0.2370

■ 16.7751, 0.4079,
0.2371

■ 19.4870, 0.3884,
0.2464

■ 23.0552, 0.3707,
0.2585

■ 27.5465, 0.3550,
0.2724

■ 33.0209, 0.3415,
0.2871

■ 39.5331, 0.3299,
0.3019

■ 47.1340, 0.3203,
0.3163

■ 55.8710, 0.3122,
0.3300

Harmonies

Analogous

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



13.6040, 0.2983, 0.1746



13.6040, 0.4494, 0.2319



13.6040, 0.5635, 0.3048

Triad

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



13.6040, 0.4494, 0.2319



13.6040, 0.3907, 0.5755



13.6040, 0.1010, 0.1806

Complementary

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



13.6040, 0.4494, 0.2319



40.5196, 0.2748, 0.5004

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.



13.6040, 0.1119, 0.2771



13.6040, 0.4494, 0.2319



13.6040, 0.2714, 0.5926

Square

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



13.6040, 0.4494, 0.2319



13.6040, 0.5031, 0.4812



13.6040, 0.1680, 0.4507



13.6040, 0.1242, 0.1442

Rectangle

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



13.6040, 0.4494, 0.2319



13.6040, 0.5822, 0.3571



13.6040, 0.1680, 0.4507



13.6040, 0.1006, 0.2045

Sweetspot

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



13.6048, 0.4494, 0.2319



61.8616, 0.3392, 0.2899



7.0552, 0.2020, 0.0941



12.4345, 0.3435, 0.2847



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.



13.6048, 0.4494, 0.2319



23.2378, 0.4742, 0.2386



12.3804, 0.6091, 0.3236



10.1702, 0.3203, 0.3162



8.2786, 0.4686, 0.2355



0.3714, 0.4271, 0.2126

Inverse Universe

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



13.6048, 0.4494, 0.2319



23.2378, 0.4742, 0.2386



43.1125, 0.2314, 0.3472



10.1702, 0.3203, 0.3162



8.2786, 0.4686, 0.2355



0.3714, 0.4271, 0.2126

Previews

White Background



This preview shows how the Yxy color 13.6040, 0.4494, 0.2319 looks on a white background.

Color Contrast Check

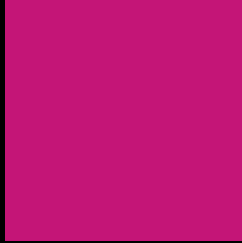
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6040, 0.4494, 0.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

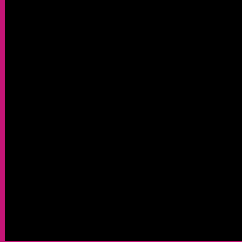
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6040, 0.4494, 0.2319

Background



This preview shows how black text looks on a background with the Yxy color 13.6040, 0.4494, 0.2319.



This preview shows how white text looks on a background with the Yxy color 13.6040, 0.4494, 0.2319.

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

13.6040, 0.4494, 0.2319

Protanopia

14.1899, 0.2216, 0.2077

Deuteranopia

13.8998, 0.3151, 0.3084



Tritanopia

13.7356, 0.5609, 0.3279

Trichromacy



Original Color

13.6040, 0.4494, 0.2319

Protanomaly

11.1047, 0.2783, 0.1942

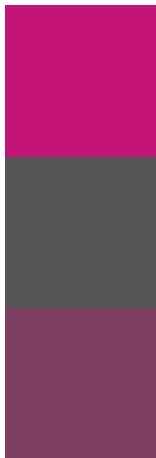
Deuteranomaly

11.6893, 0.3653, 0.2560

Tritanomaly

13.3103, 0.5283, 0.2927

Monochromacy



Original Color

13.6040, 0.4494, 0.2319

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.6683, 0.3701, 0.2600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6040, 0.4494, 0.2319 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, 21, 119)` looks like.

```
.text, #text, p{  
    color:rgb(196, 21, 119)  
}
```

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, 21, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 21, 119) }
```

Border

The CSS property to change the border of an element to Yxy 13.6040, 0.4494, 0.2319 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, 21, 119) }
```

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

```
.border{ border-color:rgb(196, 21, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 21, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 21, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 21, 119);  
box-shadow:4px 4px 4px 4px rgb(196, 21,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6040, 0.4494, 0.2319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 21, 119) }
```

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

```
.background{ background-color: rgb(196, 21,  
119) }
```

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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