

Converting Colors

$Y_{xy}(13.6300, 0.5159, 0.2615)$

Have a look what the booklet for
Yxy(13.6300, 0.5159, 0.2615)
contains.

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Color

Yxy(13.6277, 0.5161, 0.2617)

Conversions

Conversions Part 1

Format	Color
Hex	CC005D
RGB	204, 0, 93
RGB Percent	80%, 0%, 36%
CMY	0.2000, 0.9995, 0.6353
CMYK	0.00, 1.00, 0.54, 0.20
HSL	333°, 100%, 40%
HSV	333°, 100%, 80%
XYZ	26.8753, 13.6277, 11.5708
YIQ	71.5980, 91.7310, 72.1710

Conversions

Conversions Part 2

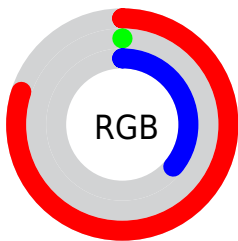
Format	Color
RYB	204, 0, 93
Decimal	13369437
CIELab	43.69, 70.87, 8.19
CIElCh	44, 71.346, 6.591
Yxy	13.6277, 0.5161, 0.2617
Android (android.graphics.Color)	4291559517 (0xFFCC005D)
YUV	71.5980, 10.5512, 116.1166
Hunter-Lab	36.9157, 65.3485, 7.2573

Details

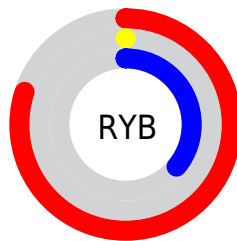
The Yxy color **13.6277, 0.5161, 0.2617** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **44.3304, 0.2685, 0.4864**, and the grayscale version is **6.3896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0596, 0.4558, 0.2762**, and **6.0530, 0.5581, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **13.6248, 0.5162, 0.2618**, and if you desaturate by 10%, it is **14.3560, 0.4900, 0.2543**.

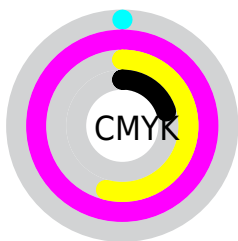
Distribution



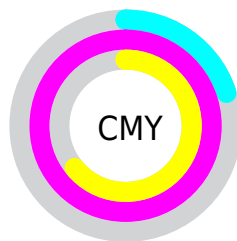
- Red (80%)
- Green (0%)
- Blue (36%)



- Red (80%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (20%)




- Cyan (20%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6277, 0.5161, 0.2617 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 13.6277, 0.5161, 0.2617 by changing the saturation by 10% instead.


 13.6277, 0.5161,
0.2617


 13.6277, 0.5161,
0.2617


214.9023, 0.3952,
0.3042


 7.8622, 0.5538,
0.2472


 32.4270, 0.4668,
0.2798


 4.0069, 0.6067,
0.2257

 46.2295, 0.4500,
0.2857


 1.6774, 0.6842,
0.1919

 63.4798, 0.4364,
0.2904

 0.4090, 0.8754,
0.1246

 84.5624, 0.4252,
0.2942

 0.0000, 1.0000,
0.0000

 109.8615, 0.4159,
0.2974

 0.0000, 0.0000,
0.0000

 139.7616, 0.4079,

0.3000

174.6470, 0.4011,
0.3022

■ 13.6277, 0.5161,
0.2617

■ 13.6277, 0.5161,
0.2617

■ 13.6248, 0.5162,
0.2618

■ 14.3560, 0.4900,
0.2543

■ 15.6583, 0.4626,
0.2516

■ 17.7213, 0.4354,
0.2540

■ 20.6453, 0.4097,
0.2607

■ 24.5152, 0.3865,
0.2703

■ 29.4056, 0.3663,
0.2817

■ 35.3835, 0.3490,
0.2938

■ 42.5103, 0.3346,
0.3060

■ 50.8427, 0.3226,
0.3179

Harmonies

Analogous

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



13.6277, 0.3654, 0.1947



13.6277, 0.5161, 0.2617



13.6277, 0.5874, 0.3382

Triad

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



13.6277, 0.5161, 0.2617



13.6277, 0.3355, 0.6069



13.6277, 0.1040, 0.1553

Complementary

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



13.6277, 0.5161, 0.2617



44.3304, 0.2685, 0.4864

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.



13.6277, 0.0988, 0.2213



13.6277, 0.5161, 0.2617



13.6277, 0.2178, 0.5531

Square

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



13.6277, 0.5161, 0.2617



13.6277, 0.4575, 0.5304



13.6277, 0.1324, 0.3661



13.6277, 0.1433, 0.1372

Rectangle

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



13.6277, 0.5161, 0.2617



13.6277, 0.5737, 0.3941



13.6277, 0.1324, 0.3661



13.6277, 0.0986, 0.1706

Sweetspot

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



13.6285, 0.5161, 0.2617



58.1223, 0.3497, 0.2933



7.6032, 0.2084, 0.0922



11.4945, 0.3568, 0.2880



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.



13.6285, 0.5161, 0.2617



22.5252, 0.5192, 0.2634



12.9859, 0.6378, 0.3317



11.2973, 0.3220, 0.3185



8.5951, 0.5129, 0.2599



0.4587, 0.4658, 0.2340

Inverse Universe

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



13.6285, 0.5161, 0.2617



22.5252, 0.5192, 0.2634



44.3794, 0.2218, 0.3185



11.2973, 0.3220, 0.3185



8.5951, 0.5129, 0.2599



0.4587, 0.4658, 0.2340

Previews

White Background



This preview shows how the Yxy color 13.6277, 0.5161, 0.2617 looks on a white background.

Color Contrast Check

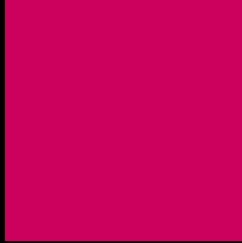
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6277, 0.5161, 0.2617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

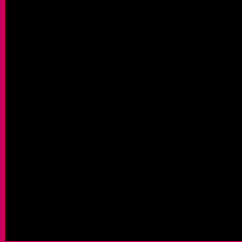
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6277, 0.5161, 0.2617

Background



This preview shows how black text looks on a background with the Yxy color 13.6277, 0.5161, 0.2617.



This preview shows how white text looks on a background with the Yxy color 13.6277, 0.5161, 0.2617.

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

13.6277, 0.5161, 0.2617

Protanopia

14.2466, 0.2683, 0.2662

Deuteranopia

14.1584, 0.3704, 0.3636



Tritanopia

14.0071, 0.5978, 0.3305

Trichromacy



Original Color

13.6277, 0.5161, 0.2617



Protanomaly

10.5709, 0.3463, 0.2338



Deuteranomaly

11.0303, 0.4365, 0.2917



Tritanomaly

13.6452, 0.5775, 0.3067

Monochromacy



Original Color

13.6277, 0.5161, 0.2617



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.5262, 0.4067, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6277, 0.5161, 0.2617 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(204, 0, 93)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 93)  
}
```

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(204, 0, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 93) }
```

Border

The CSS property to change the border of an element to Yxy 13.6277, 0.5161, 0.2617 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(204, 0, 93) }
```

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

```
.border{ border-color:rgb(204, 0, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 93);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 93)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6277, 0.5161, 0.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 93) }
```

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

```
.background{ background-color: rgb(204, 0,  
93) }
```

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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