

Converting Colors

$Y_{xy}(13.7527, 0.5402, 0.2753)$

Have a look what the booklet for
Yxy(13.7527, 0.5402, 0.2753)
contains.

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Color

Yxy(13.7527, 0.5402, 0.2753)

Conversions

Conversions Part 1

Format	Color
Hex	CE0152
RGB	206, 1, 82
RGB Percent	81%, 0%, 32%
CMY	0.1922, 0.9957, 0.6784
CMYK	0.00, 0.99, 0.60, 0.19
HSL	336°, 99%, 41%
HSV	336°, 99%, 81%
XYZ	26.9859, 13.7527, 9.2168
YIQ	71.5290, 96.1790, 68.6510

Conversions

Conversions Part 2

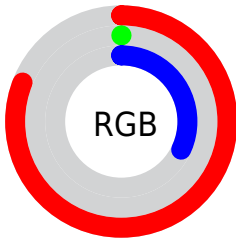
Format	Color
RYB	206, 1, 82
Decimal	13500754
CIELab	43.88, 70.54, 15.42
CIElCh	44, 72.205, 12.331
Yxy	13.7527, 0.5402, 0.2753
Android (android.graphics.Color)	4291690834 (0xFFCE0152)
YUV	71.5290, 5.1622, 117.9311
Hunter-Lab	37.0846, 64.9933, 11.2237

Details

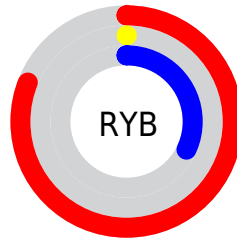
The Yxy color **13.7527, 0.5402, 0.2753** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **45.6277, 0.2624, 0.4642**, and the grayscale version is **6.3838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8781, 0.4723, 0.2890**, and **6.0692, 0.5838, 0.2990** is the 20% darker color. If you saturate the color by 10%, you get **13.7198, 0.5417, 0.2758**, and if you desaturate by 10%, it is **14.4993, 0.5114, 0.2670**.

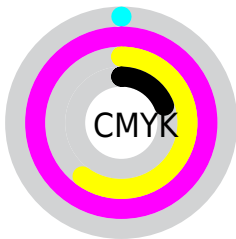
Distribution



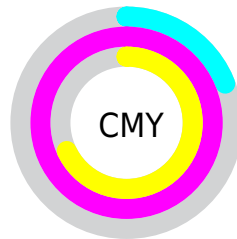
- Red (81%)
- Green (0%)
- Blue (32%)



- Red (81%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (99%)
- Yellow (60%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7527, 0.5402, 0.2753 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 13.7527, 0.5402, 0.2753 by changing the saturation by 10% instead.


 13.7527, 0.5402,
0.2753


 13.7527, 0.5402,
0.2753


215.6869, 0.4050,
0.3123


 7.9489, 0.5816,
0.2612


 32.6496, 0.4854,
0.2920


 4.0622, 0.6387,
0.2395

 46.5114, 0.4666,
0.2972


 1.7084, 0.7233,
0.2052

 63.8281, 0.4513,
0.3012

 0.4291, 0.8710,
0.1290

 84.9839, 0.4388,
0.3044

 0.0000, 1.0000,
0.0000

 110.3633, 0.4282,
0.3069

 0.0000, 0.0000,
0.0000

 140.3506, 0.4193,

0.3090

175.3304, 0.4117,
0.3108

■ 13.7527, 0.5402,
0.2753

■ 13.7527, 0.5402,
0.2753

■ 13.7198, 0.5417,
0.2758

■ 14.4993, 0.5114,
0.2670

■ 15.8574, 0.4805,
0.2633

■ 18.0050, 0.4495,
0.2647

■ 21.0445, 0.4202,
0.2701

■ 25.0628, 0.3940,
0.2784

■ 30.1362, 0.3713,
0.2883

■ 36.3335, 0.3521,
0.2989

■ 43.7176, 0.3362,
0.3095

■ 52.3467, 0.3230,
0.3198

Harmonies

Analogous

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



13.7527, 0.3965, 0.2053



13.7527, 0.5402, 0.2753



13.7527, 0.5899, 0.3531

Triad

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



13.7527, 0.5402, 0.2753



13.7527, 0.3116, 0.6132



13.7527, 0.1076, 0.1478

Complementary

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



13.7527, 0.5402, 0.2753



45.6277, 0.2624, 0.4642

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.



13.7527, 0.0960, 0.2024



13.7527, 0.5402, 0.2753



13.7527, 0.1966, 0.5243

Square

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



13.7527, 0.5402, 0.2753



13.7527, 0.4351, 0.5506



13.7527, 0.1209, 0.3313



13.7527, 0.1544, 0.1365

Rectangle

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



13.7527, 0.5402, 0.2753



13.7527, 0.5641, 0.4114



13.7527, 0.1209, 0.3313



13.7527, 0.1002, 0.1600

Sweetspot

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



13.7535, 0.5402, 0.2753



57.8893, 0.3537, 0.2979



8.7670, 0.2230, 0.1004



11.4398, 0.3616, 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.



13.7535, 0.5402, 0.2753



22.1938, 0.5447, 0.2775



13.6809, 0.6318, 0.3359



11.2858, 0.3229, 0.3199



8.4670, 0.5379, 0.2737



0.4516, 0.4859, 0.2450

Inverse Universe

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



13.7535, 0.5402, 0.2753



22.1938, 0.5447, 0.2775



39.3707, 0.2160, 0.2972



11.2858, 0.3229, 0.3199



8.4670, 0.5379, 0.2737



0.4516, 0.4859, 0.2450

Previews

White Background



This preview shows how the Yxy color 13.7527, 0.5402, 0.2753 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 13.7527, 0.5402, 0.2753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

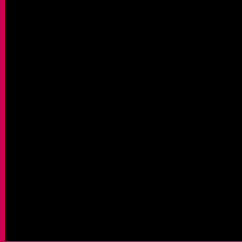
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7527, 0.5402, 0.2753

Background



This preview shows how black text looks on a background with the Yxy color 13.7527, 0.5402, 0.2753.



This preview shows how white text looks on a background with the Yxy color 13.7527, 0.5402, 0.2753.

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

13.7527, 0.5402, 0.2753

Protanopia

14.4023, 0.2926, 0.2978

Deuteranopia

14.2240, 0.3911, 0.3847



Tritanopia

14.0240, 0.6065, 0.3310

Trichromacy



Original Color

13.7527, 0.5402, 0.2753



Protanomaly

10.7176, 0.3785, 0.2602



Deuteranomaly

11.2710, 0.4627, 0.3121



Tritanomaly

13.7458, 0.5905, 0.3119

Monochromacy



Original Color

13.7527, 0.5402, 0.2753



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.5407, 0.4189, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7527, 0.5402, 0.2753 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(206, 1, 82)` looks like.

```
.text, #text, p{  
    color:rgb(206, 1, 82)  
}
```

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(206, 1, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 1, 82) }
```

Border

The CSS property to change the border of an element to Yxy 13.7527, 0.5402, 0.2753 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(206, 1, 82) }
```

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

```
.border{ border-color:rgb(206, 1, 82) }
```

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

Here you see how a box with a 4 pixel rgb(206, 1, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 1, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 1, 82);  
box-shadow:4px 4px 4px 4px rgb(206, 1, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7527, 0.5402, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 1, 82) }
```

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

```
.background{ background-color: rgb(206, 1,  
82) }
```

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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