

Converting Colors

$Y_{xy}(13.7773, 0.4507, 0.2417)$

Have a look what the booklet for
Yxy(13.7773, 0.4507, 0.2417)
contains.

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Color

Yxy(13.7773, 0.4507, 0.2417)

Conversions

Conversions Part 1

Format	Color
Hex	C12373
RGB	193, 35, 115
RGB Percent	76%, 14%, 45%
CMY	0.2431, 0.8628, 0.5489
CMYK	0.00, 0.82, 0.40, 0.24
HSL	330°, 69%, 45%
HSV	330°, 82%, 76%
XYZ	25.6906, 13.7773, 17.5337
YIQ	91.3620, 68.4880, 58.3760

Conversions

Conversions Part 2

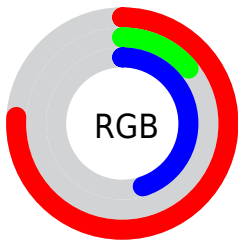
Format	Color
R_{YB}	193, 35, 115
Decimal	12657523
CIE _{Lab}	43.91, 65.04, -5.51
CIE _{LCh}	44, 65.275, 355.155
Yxy	13.7773, 0.4507, 0.2417
Android (android.graphics.Color)	4290847603 (0xFFC12373)
YUV	91.3620, 11.6535, 89.1365
Hunter-Lab	37.1178, 58.5906, -2.0250

Details

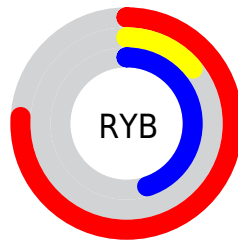
The Yxy color **13.7773, 0.4507, 0.2417** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark muted rose. A complement of this color would be **39.6917, 0.2691, 0.4697**, and the grayscale version is **10.5086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7845, 0.4177, 0.2618**, and **5.4736, 0.4904, 0.2475** is the 20% darker color. If you saturate the color by 10%, you get **12.7301, 0.4747, 0.2442**, and if you desaturate by 10%, it is **15.4727, 0.4266, 0.2445**.

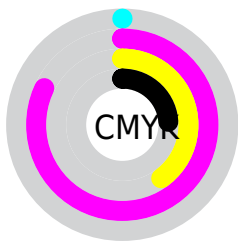
Distribution



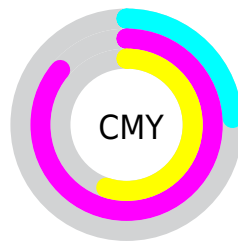
- Red (76%)
- Green (14%)
- Blue (45%)



- Red (76%)
- Yellow (14%)
- Blue (45%)



- Cyan (0%)
- Magenta (82%)
- Yellow (40%)
- Black (24%)




- Cyan (24%)
- Magenta (86%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7773, 0.4507, 0.2417 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 13.7773, 0.4507, 0.2417 by changing the saturation by 10% instead.


 13.7773, 0.4507,
0.2417


 13.7773, 0.4507,
0.2417


215.8410, 0.3698,
0.2918

 7.9659, 0.4759,
0.2267


 32.6934, 0.4179,
0.2617

 4.0732, 0.5119,
0.2058

 46.5668, 0.4066,
0.2686


 1.7146, 0.5665,
0.1750

 63.8965, 0.3975,
0.2743

 0.4331, 0.6693,
0.1110

 85.0667, 0.3900,
0.2790

 0.0000, 1.0000,
0.0000

 110.4618, 0.3837,
0.2829

 0.0000, 0.0000,
0.0000

 140.4663, 0.3784,

0.2863

175.4646, 0.3738,
0.2892

■ 13.7773, 0.4507,
0.2417

■ 13.7773, 0.4507,
0.2417

■ 12.7301, 0.4747,
0.2442

■ 15.4727, 0.4266,
0.2445

■ 12.2159, 0.4938,
0.2494

■ 17.9043, 0.4037,
0.2516

■ 21.1487, 0.3828,
0.2620

■ 25.2722, 0.3643,
0.2743

■ 30.3343, 0.3484,
0.2875

■ 36.3890, 0.3349,
0.3010

■ 43.4864, 0.3237,
0.3142

■ 51.6732, 0.3143,
0.3267

■ 60.9931, 0.3065,
0.3385

Harmonies

Analogous

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



13.7773, 0.3088, 0.1846



13.7773, 0.4507, 0.2417



13.7773, 0.5529, 0.3135

Triad

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



13.7773, 0.4507, 0.2417



13.7773, 0.3837, 0.5678



13.7773, 0.1101, 0.1849

Complementary

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



13.7773, 0.4507, 0.2417



39.6917, 0.2691, 0.4697

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.



13.7773, 0.1191, 0.2733



13.7773, 0.4507, 0.2417



13.7773, 0.2693, 0.5691

Square

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



13.7773, 0.4507, 0.2417



13.7773, 0.4900, 0.4838



13.7773, 0.1714, 0.4307



13.7773, 0.1349, 0.1514

Rectangle

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



13.7773, 0.4507, 0.2417



13.7773, 0.5679, 0.3653



13.7773, 0.1714, 0.4307



13.7773, 0.1091, 0.2069

Sweetspot

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



13.7781, 0.4507, 0.2417



61.1450, 0.3394, 0.2963



8.4548, 0.2200, 0.1105



12.2982, 0.3442, 0.2915



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.



13.7781, 0.4507, 0.2417



22.0004, 0.4924, 0.2496



12.6771, 0.5934, 0.3280



10.1611, 0.3211, 0.3174



8.1405, 0.4910, 0.2478



0.3656, 0.4431, 0.2215

Inverse Universe

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



13.7781, 0.4507, 0.2417



22.0004, 0.4924, 0.2496



42.2344, 0.2293, 0.3329



10.1611, 0.3211, 0.3174



8.1405, 0.4910, 0.2478



0.3656, 0.4431, 0.2215

Previews

White Background



This preview shows how the Yxy color 13.7773, 0.4507, 0.2417 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 13.7773, 0.4507, 0.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

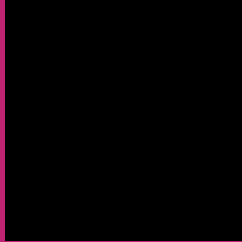
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7773, 0.4507, 0.2417

Background



This preview shows how black text looks on a background with the Yxy color 13.7773, 0.4507, 0.2417.



This preview shows how white text looks on a background with the Yxy color 13.7773, 0.4507, 0.2417.

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

13.7773, 0.4507, 0.2417

Protanopia

14.1476, 0.2347, 0.2235

Deuteranopia

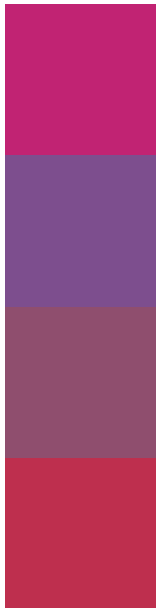
14.1417, 0.3233, 0.3187



Tritanopia

13.7526, 0.5473, 0.3266

Trichromacy



Original Color

13.7773, 0.4507, 0.2417

Protanomaly

11.7617, 0.2929, 0.2145

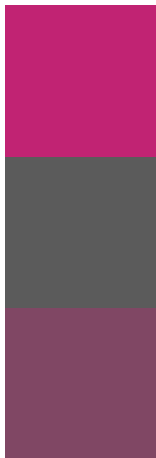
Deuteranomaly

12.4142, 0.3704, 0.2726

Tritanomaly

13.5302, 0.5166, 0.2959

Monochromacy



Original Color

13.7773, 0.4507, 0.2417

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.0158, 0.3661, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7773, 0.4507, 0.2417 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(193, 35, 115)` looks like.

```
.text, #text, p{  
  color:rgb(193, 35, 115)  
}
```

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(193, 35, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 35, 115) }
```

Border

The CSS property to change the border of an element to Yxy 13.7773, 0.4507, 0.2417 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(193, 35, 115) }
```

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

```
.border{ border-color:rgb(193, 35, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 35, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 35, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 35, 115);  
box-shadow:4px 4px 4px 4px rgb(193, 35,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7773, 0.4507, 0.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 35, 115) }
```

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

```
.background{ background-color: rgb(193, 35,  
115) }
```

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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