

Converting Colors

$Y_{xy}(16.0386, 0.6234, 0.3428)$

Have a look what the booklet for
Yxy(16.0386, 0.6234, 0.3428)
contains.

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Color

Yxy(16.0770, 0.6237, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	D92501
RGB	217, 37, 1
RGB Percent	85%, 15%, 0%
CMY	0.1490, 0.8550, 0.9956
CMYK	0.00, 0.83, 0.99, 0.15
HSL	10°, 99%, 43%
HSV	10°, 99%, 85%
XYZ	29.2851, 16.0770, 1.5917
YIQ	86.7160, 118.8360, 26.9640

Conversions

Conversions Part 2

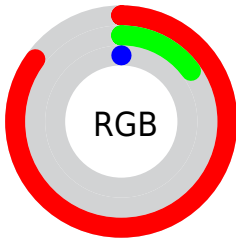
Format	Color
RYB	217, 44, 1
Decimal	14230785
CIELab	47.08, 65.83, 59.85
CIELCh	47, 88.968, 42.275
Yxy	16.0770, 0.6237, 0.3424
Android (android.graphics.Color)	4292420865 (0xFFD92501)
YUV	86.7160, -42.2580, 114.2591
Hunter-Lab	40.0961, 60.2033, 25.7136

Details

The Yxy color **16.0770, 0.6237, 0.3424** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **38.1223, 0.2098, 0.2749**, and the grayscale version is **9.5417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8628, 0.5495, 0.3637**, and **6.6754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.0183, 0.6248, 0.3421**, and if you desaturate by 10%, it is **17.5546, 0.5993, 0.3490**.

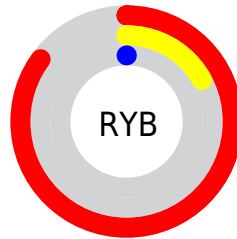
Distribution



Red (85%)

Green (15%)

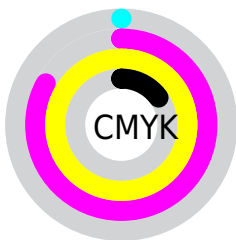
Blue (0%)



Red (85%)

Yellow (17%)

Blue (0%)

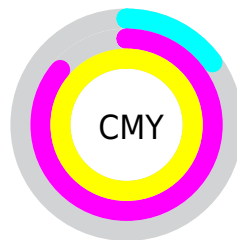


Cyan (0%)

Magenta (83%)

Yellow (99%)

Black (15%)



Cyan (15%)

Magenta (86%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0770, 0.6237, 0.3424 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 16.0770, 0.6237, 0.3424 by changing the saturation by 10% instead.


 16.0770, 0.6237,
0.3424


 16.0770, 0.6237,
0.3424


 229.7957, 0.4568,
0.3613


 9.5787, 0.6634,
0.3269


 36.7318, 0.5649,
0.3582


 5.1205, 0.7026,
0.2974

 51.6571, 0.5417,
0.3613

 2.3181, 0.7480,
0.2520

 70.1601, 0.5219,
0.3628

 0.7833, 0.8143,
0.1857

 92.6253, 0.5050,
0.3633


 0.0000, 1.0000,
0.0000

 119.4371, 0.4904,
0.3632

 0.0000, 0.0000,
0.0000


 150.9798, 0.4777,

0.3628

 187.6379, 0.4666,
0.3621

 16.0770, 0.6237,
0.3424

 16.0770, 0.6237,
0.3424


 16.0183, 0.6248,
0.3421

 17.5546, 0.5993,
0.3490

 19.7276, 0.5642,
0.3536

 22.6782, 0.5226,
0.3551

 26.4727, 0.4798,
0.3540

 31.1699, 0.4397,
0.3509

■ 36.8231, 0.4044,
0.3467

■ 43.4818, 0.3744,
0.3421

■ 51.1916, 0.3494,
0.3374

■ 59.9957, 0.3288,
0.3330

Harmonies

Analogous

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



16.0770, 0.5752, 0.2633



16.0770, 0.6237, 0.3424



16.0770, 0.5583, 0.4417

Triad

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



16.0770, 0.6237, 0.3424



16.0770, 0.1750, 0.5647



16.0770, 0.1367, 0.1176

Complementary

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



16.0770, 0.6237, 0.3424



38.1223, 0.2098, 0.2749

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.



16.0770, 0.0886, 0.1278



16.0770, 0.6237, 0.3424



16.0770, 0.0977, 0.3267

Square

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



16.0770, 0.6237, 0.3424



16.0770, 0.2970, 0.6589



16.0770, 0.0756, 0.1828



16.0770, 0.2388, 0.1383

Rectangle

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



16.0770, 0.6237, 0.3424



16.0770, 0.4775, 0.5225



16.0770, 0.0756, 0.1828



16.0770, 0.1159, 0.1173

Sweetspot

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



16.0780, 0.6237, 0.3424



61.8478, 0.3766, 0.3425



18.2645, 0.3631, 0.1776



12.3361, 0.3889, 0.3445



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.



16.0780, 0.6237, 0.3424



22.9421, 0.6259, 0.3412



33.9377, 0.4981, 0.4423



13.3993, 0.3287, 0.3330



9.7993, 0.6228, 0.3437



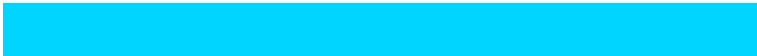
0.7441, 0.5938, 0.3667

Inverse Universe

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



38.1223, 0.2098, 0.2749



54.6240, 0.2095, 0.2740



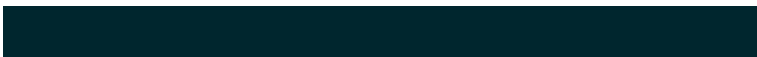
10.2806, 0.1644, 0.1114



14.4420, 0.2982, 0.3250



23.1585, 0.2099, 0.2754



1.6003, 0.2125, 0.2851

Previews

White Background



This preview shows how the Yxy color 16.0770, 0.6237, 0.3424 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 16.0770, 0.6237, 0.3424 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 16.0770, 0.6237, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 16.0770, 0.6237, 0.3424.



This preview shows how white text looks on a background with the Yxy color 16.0770, 0.6237, 0.3424.

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

16.0770, 0.6237, 0.3424

Protanopia

16.4014, 0.4284, 0.4730

Deuteranopia

16.2662, 0.4696, 0.4654



Tritanopia

16.0636, 0.6076, 0.3309

Trichromacy



Original Color

16.0770, 0.6237, 0.3424

Protanomaly

14.0143, 0.5220, 0.4097

Deuteranomaly

14.4696, 0.5441, 0.4062

Tritanomaly

16.0676, 0.6158, 0.3368

Monochromacy



Original Color

16.0770, 0.6237, 0.3424

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.6101, 0.4657, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0770, 0.6237, 0.3424 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(217, 37, 1)` looks like.

```
.text, #text, p{  
    color:rgb(217, 37, 1)  
}
```

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(217, 37, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 37, 1) }
```

Border

The CSS property to change the border of an element to Yxy 16.0770, 0.6237, 0.3424 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(217, 37, 1) }
```

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

```
.border{ border-color:rgb(217, 37, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 37, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 37, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 37, 1);  
box-shadow:4px 4px 4px 4px rgb(217, 37, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0770, 0.6237, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 37, 1) }
```

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

```
.background{ background-color: rgb(217, 37,  
1) }
```

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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