

Converting Colors

$Y_{xy}(14.0789, 0.6229, 0.3436)$

Have a look what the booklet for
Yxy(14.0789, 0.6229, 0.3436)
contains.

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Color

Yxy(14.0991, 0.6226, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	CC2400
RGB	204, 36, 0
RGB Percent	80%, 14%, 0%
CMY	0.2000, 0.8588, 0.9997
CMYK	0.00, 0.82, 1.00, 0.20
HSL	11°, 100%, 40%
HSV	11°, 100%, 80%
XYZ	25.5326, 14.0991, 1.3779
YIQ	82.1280, 111.6840, 24.4200

Conversions

Conversions Part 2

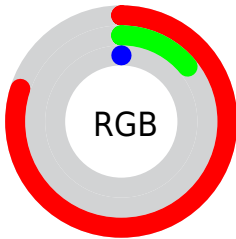
Format	Color
RYB	204, 44, 0
Decimal	13378560
CIELab	44.37, 62.38, 57.49
CIElCh	44, 84.831, 42.662
Yxy	14.0991, 0.6226, 0.3438
Android (android.graphics.Color)	4291568640 (0xFFCC2400)
YUV	82.1280, -40.4891, 106.8817
Hunter-Lab	37.5488, 55.6669, 24.1084

Details

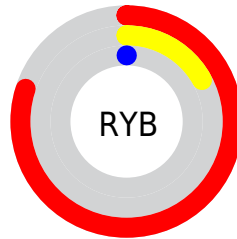
The Yxy color **14.0991, 0.6226, 0.3438** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **32.3866, 0.2087, 0.2713**, and the grayscale version is **8.5347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4595, 0.5529, 0.3630**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.0958, 0.6227, 0.3438**, and if you desaturate by 10%, it is **15.4193, 0.5978, 0.3505**.

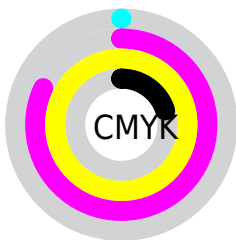
Distribution



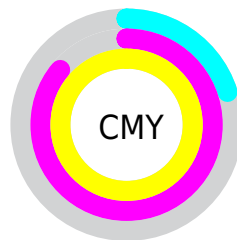
- Red (80%)
- Green (14%)
- Blue (0%)



- Red (80%)
- Yellow (17%)
- Blue (0%)



- Cyan (0%)
- Magenta (82%)
- Yellow (100%)
- Black (20%)





- Cyan (20%)
- Magenta (86%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0991, 0.6226, 0.3438 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 14.0991, 0.6226, 0.3438 by changing the saturation by 10% instead.


 14.0991, 0.6226,
0.3438


 14.0991, 0.6226,
0.3438


 217.8465, 0.4528,
0.3616

 8.1896, 0.6664,
0.3286


 33.2648, 0.5618,
0.3597


 4.2165, 0.7044,
0.2956

 47.2897, 0.5382,
0.3626


 1.7954, 0.7536,
0.2464

 64.7887, 0.5181,
0.3639

 0.4843, 0.8418,
0.1582

 86.1459, 0.5010,
0.3642


 0.0000, 1.0000,
0.0000


 111.7460, 0.4863,
0.3639

 0.0000, 0.0000,
0.0000


 141.9731, 0.4736,


0.3633


 177.2118, 0.4625,
0.3625


 14.0991, 0.6226,
0.3438


 14.0991, 0.6226,
0.3438


 14.0958, 0.6227,
0.3438

 15.4193, 0.5978,
0.3505

 17.3300, 0.5631,
0.3553

 19.9016, 0.5220,
0.3568

 23.1888, 0.4797,
0.3555

 27.2405, 0.4400,
0.3523

■ 32.1012, 0.4050,
0.3479

■ 37.8120, 0.3751,
0.3431

■ 44.4110, 0.3502,
0.3381

■ 51.9343, 0.3296,
0.3334

Harmonies

Analogous

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



14.0991, 0.5758, 0.2646



14.0991, 0.6226, 0.3438



14.0991, 0.5566, 0.4434

Triad

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



14.0991, 0.6226, 0.3438



14.0991, 0.1742, 0.5608



14.0991, 0.1381, 0.1181

Complementary

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



14.0991, 0.6226, 0.3438



32.3866, 0.2087, 0.2713

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.



14.0991, 0.0895, 0.1279



14.0991, 0.6226, 0.3438



14.0991, 0.0977, 0.3242

Square

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



14.0991, 0.6226, 0.3438



14.0991, 0.2958, 0.6581



14.0991, 0.0761, 0.1821



14.0991, 0.2408, 0.1392

Rectangle

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



14.0991, 0.6226, 0.3438



14.0991, 0.4759, 0.5241



14.0991, 0.0761, 0.1821



14.0991, 0.1171, 0.1177

Sweetspot

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



14.1000, 0.6226, 0.3438



62.1861, 0.3763, 0.3433



15.7413, 0.3685, 0.1804



12.4137, 0.3885, 0.3454



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.



14.1000, 0.6226, 0.3438



23.1323, 0.6244, 0.3424



30.4523, 0.4938, 0.4461



11.5280, 0.3286, 0.3332



8.9692, 0.6207, 0.3454



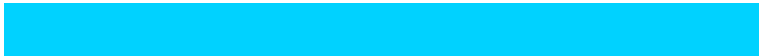
0.5632, 0.5850, 0.3737

Inverse Universe

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



32.3866, 0.2087, 0.2713



53.3418, 0.2085, 0.2705



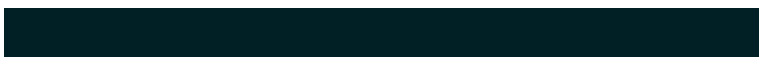
8.5005, 0.1630, 0.1069



12.3775, 0.2983, 0.3248



20.5042, 0.2090, 0.2722



1.1483, 0.2124, 0.2844

Previews

White Background



This preview shows how the Yxy color 14.0991, 0.6226, 0.3438 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



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 14.0991, 0.6226, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 14.0991, 0.6226, 0.3438.



This preview shows how white text looks on a background with the Yxy color 14.0991, 0.6226, 0.3438.

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

14.0991, 0.6226, 0.3438

Protanopia

14.3002, 0.4279, 0.4730

Deuteranopia

14.3757, 0.4692, 0.4657



Tritanopia

14.0857, 0.6048, 0.3310

Trichromacy



Original Color

14.0991, 0.6226, 0.3438

Protanomaly

12.4063, 0.5190, 0.4124

Deuteranomaly

12.6787, 0.5436, 0.4066

Tritanomaly

14.0899, 0.6139, 0.3375

Monochromacy



Original Color

14.0991, 0.6226, 0.3438

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.4641, 0.4655, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0991, 0.6226, 0.3438 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, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 36, 0)  
}
```

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, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 36, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.0991, 0.6226, 0.3438 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, 36, 0) }
```

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

```
.border{ border-color:rgb(204, 36, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 36, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 36, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 36, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 36, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0991, 0.6226, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 36, 0) }
```

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

```
.background{ background-color: rgb(204, 36,  
0) }
```

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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