

Converting Colors

$Y_{xy}(14.6443, 0.6024, 0.3398)$

Have a look what the booklet for
Yxy(14.6443, 0.6024, 0.3398)
contains.

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Color

Yxy(14.6443, 0.6024, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	CC2B1B
RGB	204, 43, 27
RGB Percent	80%, 17%, 11%
CMY	0.2000, 0.8312, 0.8944
CMYK	0.00, 0.79, 0.87, 0.20
HSL	5°, 77%, 45%
HSV	5°, 87%, 80%
XYZ	25.9615, 14.6443, 2.4910
YIQ	89.3150, 101.0920, 29.1560

Conversions

Conversions Part 2

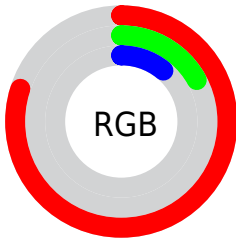
Format	Color
RYB	204, 45, 27
Decimal	13380379
CIELab	45.14, 60.87, 48.64
CIElCh	45, 77.916, 38.631
Yxy	14.6443, 0.6024, 0.3398
Android (android.graphics.Color)	4291570459 (0xFFCC2B1B)
YUV	89.3150, -30.7213, 100.5787
Hunter-Lab	38.2679, 54.1284, 22.9281

Details

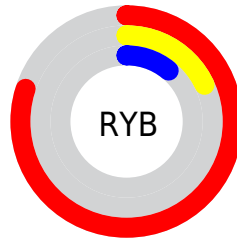
The Yxy color **14.6443, 0.6024, 0.3398** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **40.5114, 0.2200, 0.3041**, and the grayscale version is **10.1181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4549, 0.5327, 0.3541**, and **5.6627, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.5242, 0.6277, 0.3359**, and if you desaturate by 10%, it is **16.4436, 0.5646, 0.3423**.

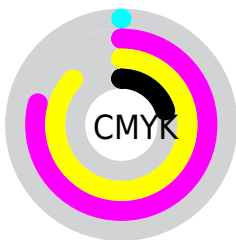
Distribution



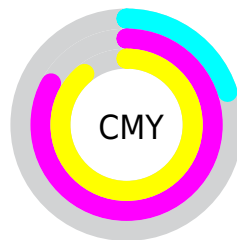
- Red (80%)
- Green (17%)
- Blue (11%)



- Red (80%)
- Yellow (18%)
- Blue (11%)



- Cyan (0%)
- Magenta (79%)
- Yellow (87%)
- Black (20%)





- Cyan (20%)
- Magenta (83%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.6443, 0.6024, 0.3398 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 14.6443, 0.6024, 0.3398 by changing the saturation by 10% instead.


 14.6443, 0.6024,
0.3398


 14.6443, 0.6024,
0.3398


221.2030, 0.4393,
0.3536


 8.5701, 0.6428,
0.3255


 34.2280, 0.5415,
0.3521


 4.4619, 0.6973,
0.3027


 48.5062, 0.5187,
0.3543


 1.9351, 0.7448,
0.2552


 66.2880, 0.4997,
0.3552

 0.5694, 0.8243,
0.1757

 87.9577, 0.4837,
0.3555


 0.0000, 1.0000,
0.0000

 113.8996, 0.4701,
0.3553


 0.0000, 0.0000,
0.0000


 144.4982, 0.4584,


0.3548


 180.1379, 0.4482,
0.3542

 14.6443, 0.6024,
0.3398

 14.6443, 0.6024,
0.3398

 13.5242, 0.6277,
0.3359


 16.4436, 0.5646,
0.3423

 13.2870, 0.6336,
0.3351

 19.0054, 0.5201,
0.3431

 22.4033, 0.4752,
0.3423

 26.7017, 0.4338,
0.3405

 31.9583, 0.3981,
0.3381

■ 38.2262, 0.3683,
0.3356

■ 45.5547, 0.3439,
0.3330

■ 53.9897, 0.3240,
0.3306

■ 63.5744, 0.3079,
0.3283

Harmonies

Analogous

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



14.6443, 0.5375, 0.2620



14.6443, 0.6024, 0.3398



14.6443, 0.5576, 0.4316

Triad

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



14.6443, 0.6024, 0.3398



14.6443, 0.2025, 0.5598



14.6443, 0.1401, 0.1294

Complementary

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



14.6443, 0.6024, 0.3398



40.5114, 0.2200, 0.3041

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.



14.6443, 0.0976, 0.1446



14.6443, 0.6024, 0.3398



14.6443, 0.1191, 0.3534

Square

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



14.6443, 0.6024, 0.3398



14.6443, 0.3226, 0.6260



14.6443, 0.0895, 0.2070



14.6443, 0.2305, 0.1459

Rectangle

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



14.6443, 0.6024, 0.3398



14.6443, 0.4926, 0.5074



14.6443, 0.0895, 0.2070



14.6443, 0.1215, 0.1306

Sweetspot

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



14.6452, 0.6024, 0.3398



63.8300, 0.3671, 0.3354



17.3014, 0.3396, 0.1703



12.8345, 0.3768, 0.3363



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.



14.6452, 0.6024, 0.3398



21.8803, 0.6347, 0.3342



28.9381, 0.4947, 0.4324



11.3749, 0.3288, 0.3312



8.4237, 0.6323, 0.3361



0.4923, 0.6093, 0.3544

Inverse Universe

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



40.5114, 0.2200, 0.3041



64.8273, 0.2166, 0.2997



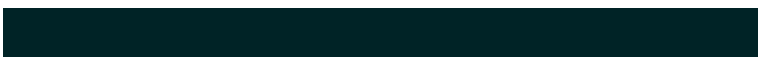
13.8418, 0.1799, 0.1559



12.5458, 0.2983, 0.3268



24.7736, 0.2168, 0.3005



1.3302, 0.2185, 0.3065

Previews

White Background



This preview shows how the Yxy color 14.6443, 0.6024, 0.3398 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 14.6443, 0.6024, 0.3398 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 14.6443, 0.6024, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 14.6443, 0.6024, 0.3398.



This preview shows how white text looks on a background with the Yxy color 14.6443, 0.6024, 0.3398.

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

14.6443, 0.6024, 0.3398

Protanopia

14.8854, 0.4129, 0.4543

Tritanopia

14.5833, 0.5902, 0.3298

Trichromacy



Original Color

14.6443, 0.6024, 0.3398

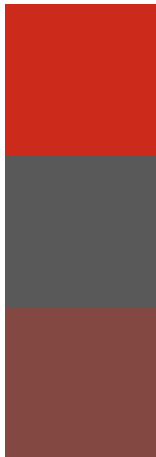
Protanomaly

13.0535, 0.4970, 0.3988

Tritanomaly

14.6207, 0.5949, 0.3339

Monochromacy



Original Color

14.6443, 0.6024, 0.3398

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.8534, 0.4380, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.6443, 0.6024, 0.3398 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, 43, 27)` looks like.

```
.text, #text, p{  
    color:rgb(204, 43, 27)  
}
```

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, 43, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 43, 27) }
```

Border

The CSS property to change the border of an element to Yxy 14.6443, 0.6024, 0.3398 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, 43, 27) }
```

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

```
.border{ border-color:rgb(204, 43, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 43, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 43, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 43, 27);  
box-shadow:4px 4px 4px 4px rgb(204, 43,  
27) }
```

Background

The CSS property to change the background color of an element to Yxy 14.6443, 0.6024, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 43, 27) }
```

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

```
.background{ background-color: rgb(204, 43,  
27) }
```

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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