

Converting Colors

$Y_{xy}(14.7890, 0.6050, 0.3478)$

Have a look what the booklet for
Yxy(14.7890, 0.6050, 0.3478)
contains.

Yxy(14.8478, 0.6048, 0.3483)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.8478, 0.6048, 0.3483)

Conversions

Conversions Part 1

Format	Color
Hex	CB3010
RGB	203, 48, 16
RGB Percent	80%, 19%, 6%
CMY	0.2039, 0.8118, 0.9370
CMYK	0.00, 0.76, 0.92, 0.20
HSL	10°, 85%, 43%
HSV	10°, 92%, 80%
XYZ	25.7822, 14.8478, 1.9993
YIQ	90.6970, 102.6520, 22.9080

Conversions

Conversions Part 2

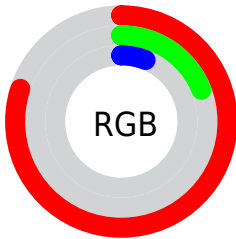
Format	Color
RYB	203, 55, 16
Decimal	13316112
CIELab	45.43, 58.90, 53.14
CIElCh	45, 79.332, 42.056
Yxy	14.8478, 0.6048, 0.3483
Android (android.graphics.Color)	4291506192 (0xFFCB3010)
YUV	90.6970, -36.8256, 98.4897
Hunter-Lab	38.5328, 52.0014, 23.8967

Details

The Yxy color **14.8478, 0.6048, 0.3483** 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 **33.5797, 0.2117, 0.2780**, and the grayscale version is **10.4573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9614, 0.5374, 0.3625**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.8813, 0.6235, 0.3431**, and if you desaturate by 10%, it is **16.5879, 0.5721, 0.3536**.

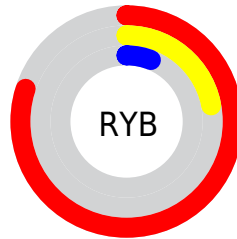
Distribution



Red (80%)

Green (19%)

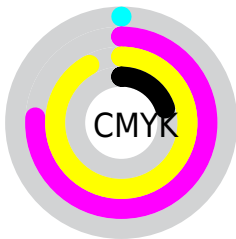
Blue (6%)



Red (80%)

Yellow (22%)

Blue (6%)

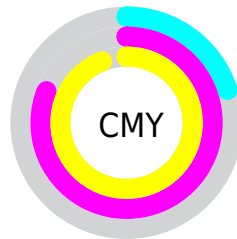


Cyan (0%)

Magenta (76%)

Yellow (92%)

Black (20%)



Cyan (20%)


Magenta (81%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8478, 0.6048, 0.3483 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 14.8478, 0.6048, 0.3483 by changing the saturation by 10% instead.


 14.8478, 0.6048,
0.3483


 14.8478, 0.6048,
0.3483

222.4431, 0.4428,
0.3595


 8.7126, 0.6444,
0.3343


 34.5860, 0.5455,
0.3603


 4.5542, 0.6909,
0.3091


 48.9577, 0.5229,
0.3622


 1.9882, 0.7374,
0.2626

 66.8438, 0.5039,
0.3628

 0.6006, 0.8142,
0.1858

 88.6287, 0.4878,
0.3627


 0.0000, 1.0000,
0.0000


 114.6966, 0.4740,
0.3622

 0.0000, 0.0000,
0.0000

 145.4321, 0.4621,

0.3614

 181.2195, 0.4518,
0.3605


 14.8478, 0.6048,
0.3483


 14.8478, 0.6048,
0.3483

 13.8813, 0.6235,
0.3431

 16.5879, 0.5721,
0.3536

 18.9729, 0.5318,
0.3558

 22.0605, 0.4892,
0.3552

 25.9013, 0.4485,
0.3524

 30.5408, 0.4123,
0.3483

■ 36.0210, 0.3812,
0.3437

■ 42.3810, 0.3552,
0.3389

■ 49.6573, 0.3337,
0.3342

■ 57.8845, 0.3160,
0.3299

Harmonies

Analogous

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



14.8478, 0.5541, 0.2697



14.8478, 0.6048, 0.3483



14.8478, 0.5500, 0.4440

Triad

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



14.8478, 0.6048, 0.3483



14.8478, 0.1885, 0.5426



14.8478, 0.1461, 0.1282

Complementary

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



14.8478, 0.6048, 0.3483



33.5797, 0.2117, 0.2780

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.



14.8478, 0.0990, 0.1393



14.8478, 0.6048, 0.3483



14.8478, 0.1112, 0.3311

Square

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



14.8478, 0.6048, 0.3483



14.8478, 0.3071, 0.6327



14.8478, 0.0870, 0.1948



14.8478, 0.2438, 0.1482

Rectangle

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



14.8478, 0.6048, 0.3483



14.8478, 0.4792, 0.5208



14.8478, 0.0870, 0.1948



14.8478, 0.1258, 0.1282

Sweetspot

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



14.8487, 0.6048, 0.3483



64.0913, 0.3710, 0.3419



16.0435, 0.3638, 0.1810



12.7702, 0.3831, 0.3440



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.



14.8487, 0.6048, 0.3483



23.0282, 0.6252, 0.3418



31.6955, 0.4838, 0.4483



11.5182, 0.3286, 0.3330



8.9253, 0.6216, 0.3447



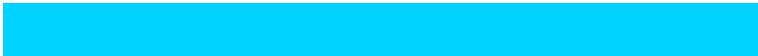
0.5587, 0.5865, 0.3725

Inverse Universe

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



33.5797, 0.2117, 0.2780



54.0310, 0.2090, 0.2724



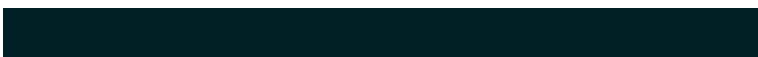
9.9251, 0.1689, 0.1220



12.3882, 0.2983, 0.3249



20.7609, 0.2095, 0.2740



1.1594, 0.2128, 0.2859

Previews

White Background



This preview shows how the Yxy color 14.8478, 0.6048, 0.3483 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 14.8478, 0.6048, 0.3483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

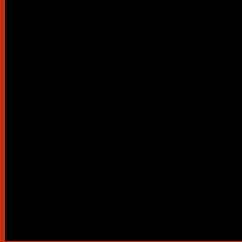
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8478, 0.6048, 0.3483

Background



This preview shows how black text looks on a background with the Yxy color 14.8478, 0.6048, 0.3483.



This preview shows how white text looks on a background with the Yxy color 14.8478, 0.6048, 0.3483.

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

14.8478, 0.6048, 0.3483

Protanopia

15.1738, 0.4239, 0.4681

Deuteranopia

15.0189, 0.4698, 0.4652



Tritanopia

14.9114, 0.5811, 0.3290

Trichromacy



Original Color

14.8478, 0.6048, 0.3483

Protanomaly

13.4703, 0.5026, 0.4139

Deuteranomaly

13.7767, 0.5322, 0.4113

Tritanomaly

14.9127, 0.5926, 0.3375

Monochromacy



Original Color

14.8478, 0.6048, 0.3483

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3079, 0.4404, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8478, 0.6048, 0.3483 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(203, 48, 16)` looks like.

```
.text, #text, p{  
    color:rgb(203, 48, 16)  
}
```

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(203, 48, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 48, 16) }
```

Border

The CSS property to change the border of an element to Yxy 14.8478, 0.6048, 0.3483 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(203, 48, 16) }
```

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

```
.border{ border-color:rgb(203, 48, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 48, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 48, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 48, 16);  
box-shadow:4px 4px 4px 4px rgb(203, 48,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 14.8478, 0.6048, 0.3483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 48, 16) }
```

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

```
.background{ background-color: rgb(203, 48,  
16) }
```

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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