

Converting Colors

$Y_{xy}(17.5670, 0.5410, 0.3522)$

Have a look what the booklet for
Yxy(17.5670, 0.5410, 0.3522)
contains.

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Color

Yxy(17.5686, 0.5408, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	C84B35
RGB	200, 75, 53
RGB Percent	78%, 29%, 21%
CMY	0.2157, 0.7058, 0.7922
CMYK	0.00, 0.62, 0.73, 0.22
HSL	9°, 58%, 50%
HSV	9°, 73%, 78%
XYZ	26.9764, 17.5686, 5.3374
YIQ	109.8670, 81.5620, 19.6580

Conversions

Conversions Part 2

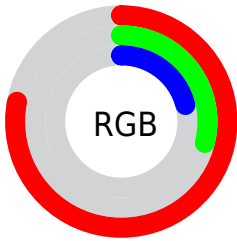
Format	Color
R _Y B	200, 79, 53
Decimal	13126453
CIE Lab	48.97, 48.55, 38.82
CIE LCh	49, 62.162, 38.644
Yxy	17.5686, 0.5408, 0.3522
Android (android.graphics.Color)	4291316533 (0xFFC84B35)
YUV	109.8670, -28.0354, 79.0466
Hunter-Lab	41.9149, 41.5315, 21.7905

Details

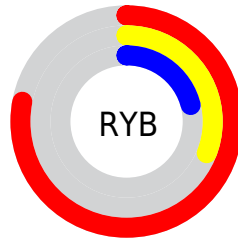
The Yxy color **17.5686, 0.5408, 0.3522** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **36.7574, 0.2228, 0.2945**, and the grayscale version is **15.6190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9001, 0.4841, 0.3567**, and **5.8481, 0.6208, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **15.4154, 0.5808, 0.3497**, and if you desaturate by 10%, it is **20.4170, 0.4975, 0.3521**.

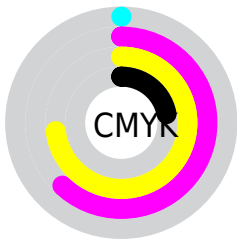
Distribution



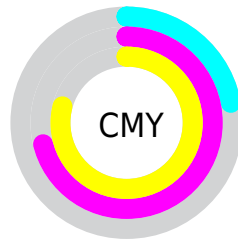
- Red (78%)
- Green (29%)
- Blue (21%)



- Red (78%)
- Yellow (31%)
- Blue (21%)



- Cyan (0%)
- Magenta (62%)
- Yellow (73%)
- Black (22%)




- Cyan (22%)
- Magenta (71%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5686, 0.5408, 0.3522 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 17.5686, 0.5408, 0.3522 by changing the saturation by 10% instead.


 17.5686, 0.5408,
0.3522


 17.5686, 0.5408,
0.3522


238.4281, 0.4112,
0.3505

 10.6407, 0.5760,
0.3464


 39.3008, 0.4908,
0.3555


 5.8258, 0.6212,
0.3342

 54.8740, 0.4728,
0.3554


 2.7394, 0.6872,
0.3128

 74.0977, 0.4579,
0.3548

 0.9973, 0.7439,
0.2561

 97.3563, 0.4454,
0.3541

 0.0000, 1.0000,
0.0000

 125.0343, 0.4349,
0.3532

 0.0000, 0.0000,
0.0000

 157.5160, 0.4259,

0.3523

195.1858, 0.4180,
0.3514

■ 17.5686, 0.5408,
0.3522

■ 17.5686, 0.5408,
0.3522

■ 15.4154, 0.5808,
0.3497

■ 20.4170, 0.4975,
0.3521

■ 13.8937, 0.6119,
0.3444

■ 24.0108, 0.4556,
0.3499

■ 13.2043, 0.6265,
0.3407

■ 28.3991, 0.4180,
0.3465

■ 33.6259, 0.3858,
0.3425

■ 39.7317, 0.3588,
0.3383

■ 46.7547, 0.3365,
0.3342

■ 54.7306, 0.3183,
0.3303

■ 63.6933, 0.3033,
0.3267

■ 73.6750, 0.2910,
0.3235

Harmonies

Analogous

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



17.5686, 0.4839, 0.2807



17.5686, 0.5408, 0.3522



17.5686, 0.5166, 0.4305

Triad

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



17.5686, 0.5408, 0.3522



17.5686, 0.2340, 0.4932



17.5686, 0.1721, 0.1641

Complementary

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



17.5686, 0.5408, 0.3522



36.7574, 0.2228, 0.2945

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.



17.5686, 0.1333, 0.1806



17.5686, 0.5408, 0.3522



17.5686, 0.1593, 0.3525

Square

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



17.5686, 0.5408, 0.3522



17.5686, 0.3365, 0.5539



17.5686, 0.1280, 0.2384



17.5686, 0.2501, 0.1783

Rectangle

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



17.5686, 0.5408, 0.3522



17.5686, 0.4683, 0.4851



17.5686, 0.1280, 0.2384



17.5686, 0.1552, 0.1659

Sweetspot

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



17.5696, 0.5408, 0.3522



70.1513, 0.3559, 0.3378



18.1357, 0.3453, 0.1877



14.3485, 0.3627, 0.3389



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.



17.5696, 0.5408, 0.3522



25.0474, 0.6001, 0.3469



33.1221, 0.4585, 0.4369



10.8891, 0.3286, 0.3325



8.4794, 0.6247, 0.3422



0.4858, 0.5900, 0.3697

Inverse Universe

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



36.7574, 0.2228, 0.2945



59.4240, 0.2145, 0.2861



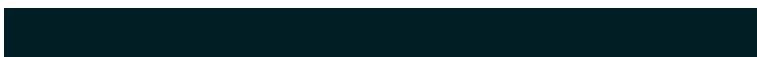
15.4206, 0.1920, 0.1727



11.7864, 0.2984, 0.3255



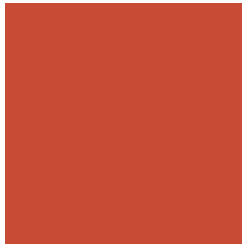
21.0462, 0.2115, 0.2812



1.0721, 0.2145, 0.2921

Previews

White Background



This preview shows how the Yxy color 17.5686, 0.5408, 0.3522 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 17.5686, 0.5408, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

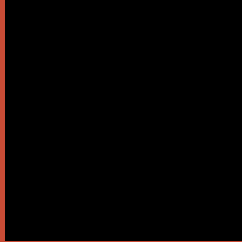
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5686, 0.5408, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 17.5686, 0.5408, 0.3522.



This preview shows how white text looks on a background with the Yxy color 17.5686, 0.5408, 0.3522.

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

17.5686, 0.5408, 0.3522

Protanopia

17.7170, 0.3888, 0.4232

Deuteranopia

17.6693, 0.4434, 0.4349



Tritanopia

17.5740, 0.5126, 0.3251

Trichromacy



Original Color

17.5686, 0.5408, 0.3522

Protanomaly

16.7206, 0.4463, 0.3939

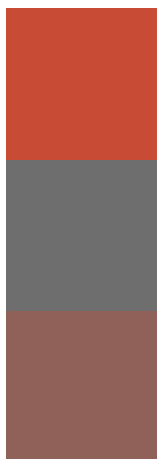
Deuteranomaly

17.0558, 0.4832, 0.3996

Tritanomaly

17.5999, 0.5238, 0.3351

Monochromacy



Original Color

17.5686, 0.5408, 0.3522

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.1103, 0.3959, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5686, 0.5408, 0.3522 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(200, 75, 53)` looks like.

```
.text, #text, p{  
    color:rgb(200, 75, 53)  
}
```

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(200, 75, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 75, 53) }
```

Border

The CSS property to change the border of an element to Yxy 17.5686, 0.5408, 0.3522 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(200, 75, 53) }
```

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

```
.border{ border-color:rgb(200, 75, 53) }
```

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

Here you see how a box with a 4 pixel rgb(200, 75, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 75, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 75, 53);  
box-shadow:4px 4px 4px 4px rgb(200, 75,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5686, 0.5408, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 75, 53) }
```

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

```
.background{ background-color: rgb(200, 75,  
53) }
```

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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