

Converting Colors

$Y_{xy}(20.9236, 0.4585, 0.3415)$

Have a look what the booklet for
Yxy(20.9236, 0.4585, 0.3415)
contains.

Yxy(20.8683, 0.4587, 0.3413)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.8683, 0.4587, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	C0635A
RGB	192, 99, 90
RGB Percent	75%, 39%, 35%
CMY	0.2471, 0.6118, 0.6469
CMYK	0.00, 0.48, 0.53, 0.25
HSL	5°, 45%, 55%
HSV	5°, 53%, 75%
XYZ	28.0466, 20.8683, 12.2287
YIQ	125.7810, 58.3170, 16.9170

Conversions

Conversions Part 2

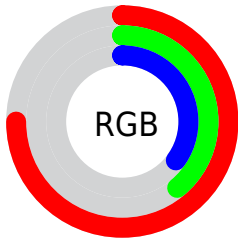
Format	Color
R_{YB}	192, 100, 90
Decimal	12608346
CIE _{Lab}	52.81, 36.30, 22.13
CIE _{LCh}	53, 42.519, 31.371
Yxy	20.8683, 0.4587, 0.3413
Android (android.graphics.Color)	4290798426 (0xFFC0635A)
YUV	125.7810, -17.6400, 58.0741
Hunter-Lab	45.6818, 29.6476, 16.1058

Details

The Yxy color **20.8683, 0.4587, 0.3413** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **39.8584, 0.2425, 0.3151**, and the grayscale version is **20.8333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0454, 0.4260, 0.3420**, and **7.4468, 0.5163, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **17.6176, 0.5025, 0.3425**, and if you desaturate by 10%, it is **24.9250, 0.4195, 0.3393**.

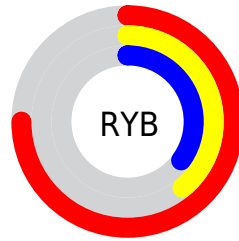
Distribution



Red (75%)

Green (39%)

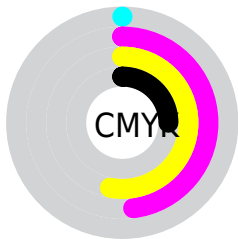
Blue (35%)



Red (75%)

Yellow (39%)

Blue (35%)

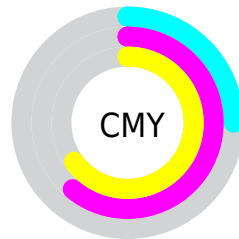


Cyan (0%)

Magenta (48%)

Yellow (53%)

Black (25%)



Cyan (25%)


Magenta (61%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8683, 0.4587, 0.3413 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 20.8683, 0.4587, 0.3413 by changing the saturation by 10% instead.

 20.8683, 0.4587,
0.3413

 20.8683, 0.4587,
0.3413


256.5778, 0.3755,
0.3384


 13.0278, 0.4830,
0.3401


 44.8682, 0.4259,
0.3414


 7.4477, 0.5163,
0.3369


 61.7964, 0.4143,
0.3411

 3.7436, 0.5637,
0.3290

 82.5227, 0.4049,
0.3406

 1.5312, 0.6723,
0.3277

 107.4313, 0.3970,
0.3401

 0.3105, 0.7983,
0.2017

 136.9067, 0.3904,
0.3397

 0.0000, 1.0000,
0.0000

171.3333, 0.3847,

 0.0000, 0.0000,

0.3392

0.0000

211.0956, 0.3798,
0.3388

■ 20.8683, 0.4587,
0.3413

■ 20.8683, 0.4587,
0.3413

■ 17.6176, 0.5025,
0.3425

■ 24.9250, 0.4195,
0.3393

■ 15.1159, 0.5478,
0.3424

■ 29.8329, 0.3861,
0.3369

■ 13.3042, 0.5889,
0.3406

■ 35.6382, 0.3585,
0.3344

■ 12.1130, 0.6195,
0.3372

■ 42.3824, 0.3360,
0.3320

■ 11.6043, 0.6336,
0.3351

■ 50.1045, 0.3177,
0.3297

■ 58.8415, 0.3028,
0.3276

■ 68.6283, 0.2907,
0.3257

■ 79.4981, 0.2808,
0.3239

■ 89.9465, 0.2762,
0.3289

Harmonies

Analogous

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



20.8683, 0.4080, 0.2872



20.8683, 0.4587, 0.3413



20.8683, 0.4621, 0.3983

Triad

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



20.8683, 0.4587, 0.3413



20.8683, 0.2817, 0.4437



20.8683, 0.2048, 0.2133

Complementary

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



20.8683, 0.4587, 0.3413



39.8584, 0.2425, 0.3151

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.



20.8683, 0.1810, 0.2358



20.8683, 0.4587, 0.3413



20.8683, 0.2201, 0.3684

Square

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



20.8683, 0.4587, 0.3413



20.8683, 0.3558, 0.4724



20.8683, 0.1856, 0.2889



20.8683, 0.2561, 0.2171

Rectangle

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



20.8683, 0.4587, 0.3413



20.8683, 0.4393, 0.4336



20.8683, 0.1856, 0.2889



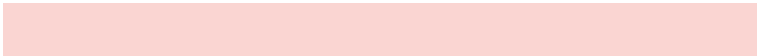
20.8683, 0.1938, 0.2176

Sweetspot

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



20.8694, 0.4587, 0.3413



72.7621, 0.3426, 0.3327



21.9634, 0.3285, 0.2122



15.0600, 0.3471, 0.3332



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.8694, 0.4587, 0.3413



30.9518, 0.5112, 0.3426



33.6024, 0.4178, 0.4080



10.2172, 0.3287, 0.3311



7.8586, 0.6324, 0.3361



0.3891, 0.6072, 0.3561

Inverse Universe

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



39.8584, 0.2425, 0.3151



68.9572, 0.2322, 0.3116



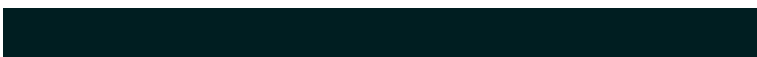
22.6238, 0.2256, 0.2314



11.2719, 0.2984, 0.3269



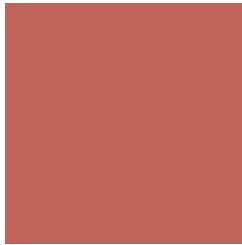
23.2765, 0.2171, 0.3015



1.0510, 0.2189, 0.3081

Previews

White Background



This preview shows how the Yxy color 20.8683, 0.4587, 0.3413 looks on a white 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

Black Background



This preview shows how the Yxy color 20.8683, 0.4587, 0.3413 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 20.8683, 0.4587, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 20.8683, 0.4587, 0.3413.



This preview shows how white text looks on a background with the Yxy color 20.8683, 0.4587, 0.3413.

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

20.8683, 0.4587, 0.3413

Protanopia

20.9494, 0.3503, 0.3727

Deuteranopia

20.9259, 0.3946, 0.3880



Tritanopia

20.8863, 0.4408, 0.3200

Trichromacy



Original Color

20.8683, 0.4587, 0.3413

Protanomaly

20.3412, 0.3879, 0.3592

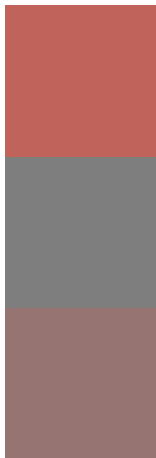
Deuteranomaly

20.6054, 0.4191, 0.3698

Tritanomaly

20.9737, 0.4476, 0.3281

Monochromacy



Original Color

20.8683, 0.4587, 0.3413

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1671, 0.3614, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8683, 0.4587, 0.3413 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(192, 99, 90)` looks like.

```
.text, #text, p{  
    color:rgb(192, 99, 90)  
}
```

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(192, 99, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 99, 90) }
```

Border

The CSS property to change the border of an element to Yxy 20.8683, 0.4587, 0.3413 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(192, 99, 90) }
```

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

```
.border{ border-color:rgb(192, 99, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 99, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 99, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 99, 90);  
box-shadow:4px 4px 4px 4px rgb(192, 99,  
90) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 20.8683, 0.4587, 0.3413$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 99, 90) }
```

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

```
.background{ background-color: rgb(192, 99,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor