

Converting Colors

$Y_{xy}(20.7418, 0.4676, 0.3270)$

Have a look what the booklet for
Yxy(20.7418, 0.4676, 0.3270)
contains.

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Color

Yxy(20.7418, 0.4676, 0.3270)

Conversions

Conversions Part 1

Format	Color
Hex	C85C5E
RGB	200, 92, 94
RGB Percent	78%, 36%, 37%
CMY	0.2158, 0.6391, 0.6314
CMYK	0.00, 0.54, 0.53, 0.22
HSL	359°, 50%, 57%
HSV	359°, 54%, 78%
XYZ	29.6601, 20.7418, 13.0286
YIQ	124.5200, 63.7260, 23.5180

Conversions

Conversions Part 2

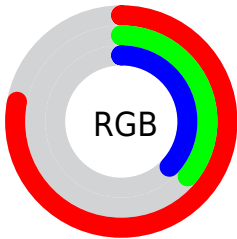
Format	Color
RYB	200, 92, 94
Decimal	13130846
CIELab	52.67, 43.17, 19.83
CIElCh	53, 47.508, 24.677
Yxy	20.7418, 0.4676, 0.3270
Android (android.graphics.Color)	4291320926 (0xFFC85C5E)
YUV	124.5200, -15.0464, 66.1960
Hunter-Lab	45.5432, 36.5482, 14.9190

Details

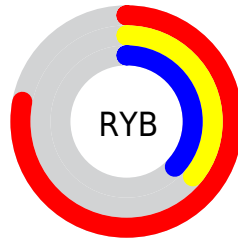
The Yxy color **20.7418, 0.4676, 0.3270** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **47.6475, 0.2454, 0.3316**, and the grayscale version is **20.3768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5244, 0.4281, 0.3304**, and **7.3272, 0.5292, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **17.4135, 0.5141, 0.3270**, and if you desaturate by 10%, it is **25.0762, 0.4257, 0.3272**.

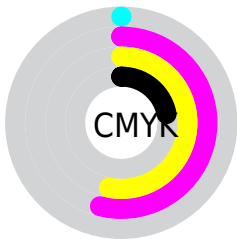
Distribution



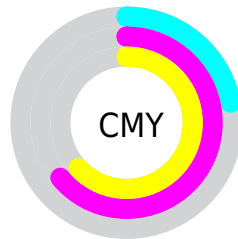
- Red (78%)
- Green (36%)
- Blue (37%)



- Red (78%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (54%)
- Yellow (53%)
- Black (22%)



- Cyan (22%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7418, 0.4676, 0.3270 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 20.7418, 0.4676, 0.3270 by changing the saturation by 10% instead.


 20.7418, 0.4676,
0.3270


 20.7418, 0.4676,
0.3270


255.9031, 0.3793,
0.3321


 12.9354, 0.4934,
0.3235


 44.6574, 0.4327,
0.3303


 7.3841, 0.5288,
0.3173


 61.5354, 0.4205,
0.3310

 3.7034, 0.5793,
0.3054

 82.2061, 0.4105,
0.3315

 1.5091, 0.6812,
0.2917

 107.0538, 0.4021,
0.3318

 0.2951, 0.8296,
0.1704

136.4630, 0.3951,
0.3320

 0.0000, 1.0000,
0.0000

170.8180, 0.3891,

 0.0000, 0.0000,


0.3321

0.0000


210.5032, 0.3839,
0.3321

 20.7418, 0.4676,
0.3270


 20.7418, 0.4676,
0.3270


 17.4135, 0.5141,
0.3270

 25.0762, 0.4257,
0.3272

 15.0076, 0.5610,
0.3273

 30.4852, 0.3903,
0.3276

 13.4320, 0.6014,
0.3280

 37.0353, 0.3612,
0.3280

 12.5746, 0.6285,
0.3289

 44.7863, 0.3378,
0.3284

 12.2827, 0.6383,
0.3290

 53.7943, 0.3191,
0.3288

■ 64.1115, 0.3041,
0.3292

■ 75.7873, 0.2920,
0.3296

■ 88.8686, 0.2823,
0.3299

■ 91.0147, 0.2805,
0.3289

Harmonies

Analogous

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



20.7418, 0.4010, 0.2704



20.7418, 0.4676, 0.3270



20.7418, 0.4823, 0.3888

Triad

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



20.7418, 0.4676, 0.3270



20.7418, 0.2947, 0.4724



20.7418, 0.1857, 0.2044

Complementary

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



20.7418, 0.4676, 0.3270



47.6475, 0.2454, 0.3316

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.



20.7418, 0.1667, 0.2349



20.7418, 0.4676, 0.3270



20.7418, 0.2223, 0.3944

Square

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



20.7418, 0.4676, 0.3270



20.7418, 0.3763, 0.4875



20.7418, 0.1781, 0.3007



20.7418, 0.2346, 0.2032

Rectangle

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



20.7418, 0.4676, 0.3270



20.7418, 0.4626, 0.4297



20.7418, 0.1781, 0.3007



20.7418, 0.1761, 0.2110

Sweetspot

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



20.7429, 0.4676, 0.3270



74.3577, 0.3426, 0.3283



23.6139, 0.3146, 0.2002



15.2995, 0.3473, 0.3283



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.



20.7429, 0.4676, 0.3270



29.2237, 0.5235, 0.3270



32.5139, 0.4299, 0.3940



10.6400, 0.3287, 0.3286



7.8142, 0.6378, 0.3287



0.3711, 0.6299, 0.3244

Inverse Universe

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



20.7429, 0.4676, 0.3270



29.2237, 0.5235, 0.3270



28.1301, 0.2283, 0.2500



10.6400, 0.3287, 0.3286



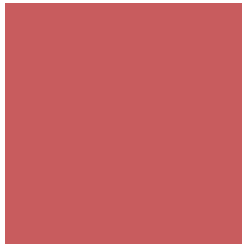
7.8142, 0.6378, 0.3287



0.3711, 0.6299, 0.3244

Previews

White Background



This preview shows how the Yxy color 20.7418, 0.4676, 0.3270 looks on a white background.

Color Contrast Check

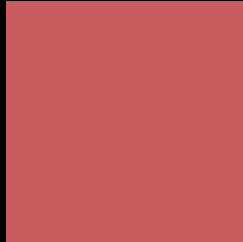
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7418, 0.4676, 0.3270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

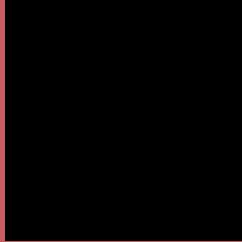
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7418, 0.4676, 0.3270

Background



This preview shows how black text looks on a background with the Yxy color 20.7418, 0.4676, 0.3270.



This preview shows how white text looks on a background with the Yxy color 20.7418, 0.4676, 0.3270.

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

20.7418, 0.4676, 0.3270

Protanopia

20.9530, 0.3383, 0.3582

Deuteranopia

20.8800, 0.3896, 0.3834



Tritanopia

20.6434, 0.4623, 0.3207

Trichromacy



Original Color

20.7418, 0.4676, 0.3270

Protanomaly

20.2022, 0.3837, 0.3457

Deuteranomaly

20.2320, 0.4186, 0.3587

Tritanomaly

20.6246, 0.4639, 0.3219

Monochromacy



Original Color

20.7418, 0.4676, 0.3270

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.7006, 0.3639, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7418, 0.4676, 0.3270 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, 92, 94)` looks like.

```
.text, #text, p{  
    color:rgb(200, 92, 94)  
}
```

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, 92, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 92, 94) }
```

Border

The CSS property to change the border of an element to Yxy 20.7418, 0.4676, 0.3270 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, 92, 94) }
```

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

```
.border{ border-color:rgb(200, 92, 94) }
```

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

Here you see how a box with a 4 pixel rgb(200, 92, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 92, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 92, 94);  
box-shadow:4px 4px 4px 4px rgb(200, 92,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7418, 0.4676, 0.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 92, 94) }
```

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

```
.background{ background-color: rgb(200, 92,  
94) }
```

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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