

Converting Colors

$Y_{xy}(20.9051, 0.5258, 0.3737)$

Have a look what the booklet for
Yxy(20.9051, 0.5258, 0.3737)
contains.

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Color

Yxy(20.9051, 0.5258, 0.3737)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CC5D33 |
| RGB | 204, 93, 51 |
| RGB Percent | 80%, 36%, 20% |
| CMY | 0.2000, 0.6353, 0.7998 |
| CMYK | 0.00, 0.54, 0.75, 0.20 |
| HSL | 16°, 60%, 50% |
| HSV | 16°, 75%, 80% |
| XYZ | 29.4137, 20.9051, 5.6221 |
| YIQ | 121.4010, 79.6380, 10.4700 |

Conversions

Conversions Part 2

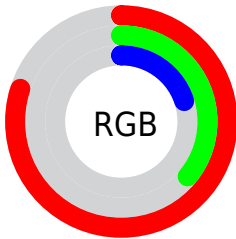
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 204, 109, 51 |
| Decimal | 13393203 |
| CIE _{Lab} | 52.85, 41.45, 44.22 |
| CIE _{LCh} | 53, 60.614, 46.853 |
| Yxy | 20.9051, 0.5258, 0.3737 |
| Android (android.graphics.Color) | 4291583283 (0xFFCC5D33) |
| YUV | 121.4010, -34.7077, 72.4393 |
| Hunter-Lab | 45.7221, 34.8180, 24.7151 |

Details

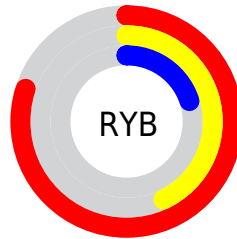
The Yxy color **20.9051, 0.5258, 0.3737** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **30.9171, 0.2137, 0.2623**, and the grayscale version is **19.3550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7379, 0.4720, 0.3748**, and **7.4299, 0.5943, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **18.4118, 0.5616, 0.3708**, and if you desaturate by 10%, it is **23.9827, 0.4876, 0.3725**.

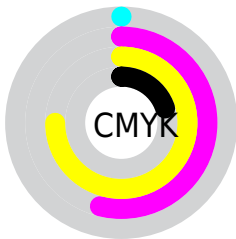
Distribution



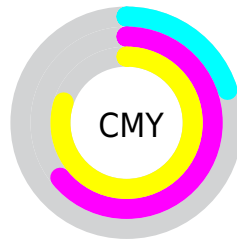
- Red (80%)
- Green (36%)
- Blue (20%)



- Red (80%)
- Yellow (43%)
- Blue (20%)



- Cyan (0%)
- Magenta (54%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9051, 0.5258, 0.3737 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 20.9051, 0.5258, 0.3737 by changing the saturation by 10% instead.


 20.9051, 0.5258,
0.3737

 20.9051, 0.5258,
0.3737


256.7737, 0.4085,
0.3603


 13.0547, 0.5560,
0.3714

 44.9295, 0.4817,
0.3724

 7.4662, 0.5935,
0.3642


 61.8723, 0.4655,
0.3707

 3.7553, 0.6486,
0.3514

 82.6147, 0.4519,
0.3688

 1.5377, 0.6926,
0.3074

 107.5410, 0.4404,
0.3669

 0.3150, 0.8168,
0.1832

 137.0356, 0.4307,
0.3651

 0.0000, 1.0000,
0.0000

 171.4831, 0.4222,

 0.0000, 0.0000,

0.3634

0.0000

211.2676, 0.4149,
0.3618

■ 20.9051, 0.5258,
0.3737

■ 20.9051, 0.5258,
0.3737

■ 18.4118, 0.5616,
0.3708

■ 23.9827, 0.4876,
0.3725

■ 16.4589, 0.5910,
0.3635

■ 27.6770, 0.4504,
0.3681

■ 15.6617, 0.6034,
0.3591

■ 32.0221, 0.4163,
0.3618

■ 37.0483, 0.3863,
0.3545

■ 42.7839, 0.3606,
0.3469

■ 49.2556, 0.3389,
0.3394

■ 56.4888, 0.3207,
0.3323

■ 64.5075, 0.3054,
0.3258

■ 73.3346, 0.2925,
0.3197

Harmonies

Analogous

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



20.9051, 0.4925, 0.3033



20.9051, 0.5258, 0.3737



20.9051, 0.4890, 0.4489

Triad

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



20.9051, 0.5258, 0.3737



20.9051, 0.2181, 0.4463



20.9051, 0.1974, 0.1748

Complementary

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



20.9051, 0.5258, 0.3737



30.9171, 0.2137, 0.2623

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.



20.9051, 0.1504, 0.1825



20.9051, 0.5258, 0.3737



20.9051, 0.1575, 0.3182

Square

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



20.9051, 0.5258, 0.3737



20.9051, 0.3106, 0.5303



20.9051, 0.1369, 0.2262



20.9051, 0.2818, 0.1955

Rectangle

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



20.9051, 0.5258, 0.3737



20.9051, 0.4385, 0.4967



20.9051, 0.1369, 0.2262



20.9051, 0.1777, 0.1740

Sweetspot

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



20.9063, 0.5258, 0.3737



73.6194, 0.3544, 0.3449



17.8603, 0.3758, 0.2052



15.1542, 0.3608, 0.3469



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.



20.9063, 0.5258, 0.3737



28.3881, 0.5808, 0.3668



41.1950, 0.4407, 0.4590



11.7062, 0.3283, 0.3354



9.9931, 0.6009, 0.3611



0.6447, 0.5615, 0.3924

Inverse Universe

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



30.9171, 0.2137, 0.2623



45.1486, 0.2030, 0.2456



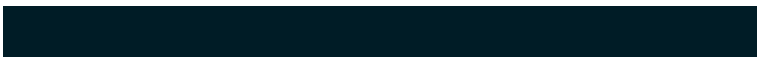
11.8380, 0.1819, 0.1375



12.1863, 0.2983, 0.3225



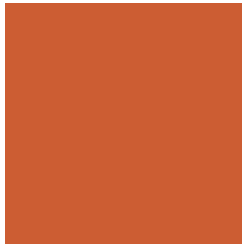
16.2436, 0.1995, 0.2381



0.9605, 0.2050, 0.2579

Previews

White Background



This preview shows how the Yxy color 20.9051, 0.5258, 0.3737 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 20.9051, 0.5258, 0.3737 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 20.9051, 0.5258, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 20.9051, 0.5258, 0.3737.



This preview shows how white text looks on a background with the Yxy color 20.9051, 0.5258, 0.3737.

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

20.9051, 0.5258, 0.3737

Protanopia

21.0911, 0.4026, 0.4411

Deuteranopia

20.8839, 0.4483, 0.4401



Tritanopia

20.9094, 0.4773, 0.3223

Trichromacy



Original Color

20.9051, 0.5258, 0.3737

Protanomaly

20.3434, 0.4488, 0.4155

Deuteranomaly

20.4711, 0.4789, 0.4125

Tritanomaly

20.8415, 0.4978, 0.3434

Monochromacy



Original Color

20.9051, 0.5258, 0.3737

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7927, 0.3882, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9051, 0.5258, 0.3737 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, 93, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 93, 51)  
}
```

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, 93, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 93, 51) }
```

Border

The CSS property to change the border of an element to Yxy 20.9051, 0.5258, 0.3737 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, 93, 51) }
```

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

```
.border{ border-color:rgb(204, 93, 51) }
```

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

Here you see how a box with a 4 pixel rgb(204, 93, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 93, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 93, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 93,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9051, 0.5258, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 93, 51) }
```

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

```
.background{ background-color: rgb(204, 93,  
51) }
```

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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