

Converting Colors

$Y_{xy}(20.0245, 0.5323, 0.3931)$

Have a look what the booklet for
Yxy(20.0245, 0.5323, 0.3931)
contains.

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Color

Yxy(20.0245, 0.5323, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	C45F20
RGB	196, 95, 32
RGB Percent	77%, 37%, 13%
CMY	0.2314, 0.6274, 0.8746
CMYK	0.00, 0.52, 0.84, 0.23
HSL	23°, 72%, 45%
HSV	23°, 84%, 77%
XYZ	27.1153, 20.0245, 3.8001
YIQ	118.0170, 80.4190, 1.8190

Conversions

Conversions Part 2

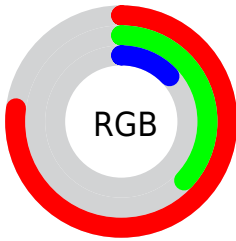
Format	Color
R_{YB}	196, 134, 32
Decimal	12869408
CIE _{Lab}	51.86, 36.63, 51.65
CIE _{LCh}	52, 63.320, 54.655
Yxy	20.0245, 0.5323, 0.3931
Android (android.graphics.Color)	4291059488 (0xFFC45F20)
YUV	118.0170, -42.4064, 68.3911
Hunter-Lab	44.7487, 29.8511, 26.2891

Details

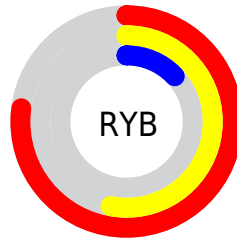
The Yxy color **20.0245, 0.5323, 0.3931** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **21.0504, 0.1988, 0.2210**, and the grayscale version is **18.2394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7366, 0.4864, 0.3908**, and **7.0277, 0.5833, 0.3750** is the 20% darker color. If you saturate the color by 10%, you get **17.9406, 0.5596, 0.3873**, and if you desaturate by 10%, it is **22.5106, 0.5008, 0.3937**.

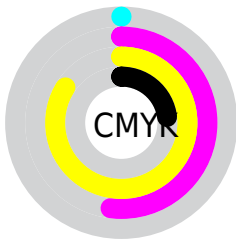
Distribution



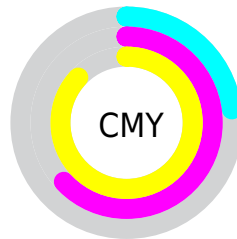
- Red (77%)
- Green (37%)
- Blue (13%)



- Red (77%)
- Yellow (53%)
- Blue (13%)



- Cyan (0%)
- Magenta (52%)
- Yellow (84%)
- Black (23%)





- Cyan (23%)
- Magenta (63%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0245, 0.5323, 0.3931 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 20.0245, 0.5323, 0.3931 by changing the saturation by 10% instead.


 20.0245, 0.5323,
0.3931


 20.0245, 0.5323,
0.3931


252.0477, 0.4133,
0.3715


 12.4129, 0.5610,
0.3913


 43.4583, 0.4887,
0.3898


 7.0255, 0.6004,
0.3869


 60.0492, 0.4722,
0.3870

 3.4781, 0.6357,
0.3643

 80.4019, 0.4583,
0.3841

 1.3861, 0.6787,
0.3213

 104.9010, 0.4465,
0.3812

 0.2065, 0.8439,
0.1561

 133.9307, 0.4364,
0.3785

 0.0000, 1.0000,
0.0000

 167.8754, 0.4276,

 0.0000, 0.0000,

0.3760

0.0000

207.1197, 0.4200,
0.3737

20.0245, 0.5323,
0.3931

20.0245, 0.5323,
0.3931

17.9406, 0.5596,
0.3873

22.5106, 0.5008,
0.3937

16.8120, 0.5747,
0.3819

25.4198, 0.4679,
0.3897

28.7750, 0.4358,
0.3825

32.5961, 0.4060,
0.3732

36.9017, 0.3794,
0.3630

■ 41.7091, 0.3560,
0.3525

■ 47.0348, 0.3358,
0.3422

■ 52.8946, 0.3185,
0.3324

■ 59.3033, 0.3036,
0.3233

Harmonies

Analogous

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



20.0245, 0.5197, 0.3190



20.0245, 0.5323, 0.3931



20.0245, 0.4769, 0.4726

Triad

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



20.0245, 0.5323, 0.3931



20.0245, 0.1919, 0.4182



20.0245, 0.2107, 0.1710

Complementary

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



20.0245, 0.5323, 0.3931



21.0504, 0.1988, 0.2210

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.



20.0245, 0.1525, 0.1706



20.0245, 0.5323, 0.3931



20.0245, 0.1408, 0.2859

Square

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



20.0245, 0.5323, 0.3931



20.0245, 0.2817, 0.5309



20.0245, 0.1299, 0.2042



20.0245, 0.3088, 0.1995

Rectangle

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



20.0245, 0.5323, 0.3931



20.0245, 0.4180, 0.5207



20.0245, 0.1299, 0.2042



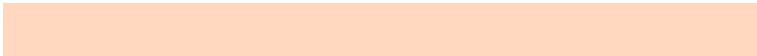
20.0245, 0.1870, 0.1676

Sweetspot

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



20.0256, 0.5323, 0.3931



74.0188, 0.3597, 0.3543



14.4621, 0.4198, 0.2206



15.1671, 0.3679, 0.3580



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.



20.0256, 0.5323, 0.3931



29.9990, 0.5774, 0.3798



43.2243, 0.4321, 0.4824



10.6985, 0.3280, 0.3379



10.9591, 0.5722, 0.3839



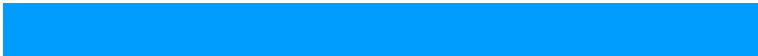
0.6071, 0.5306, 0.4169

Inverse Universe

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



21.0504, 0.1988, 0.2210



31.3274, 0.1876, 0.1952



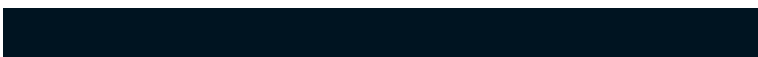
6.6684, 0.1647, 0.0935



10.7571, 0.2984, 0.3199



11.4652, 0.1887, 0.1993



0.6255, 0.1976, 0.2315

Previews

White Background



This preview shows how the Yxy color 20.0245, 0.5323, 0.3931 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 20.0245, 0.5323, 0.3931 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 20.0245, 0.5323, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 20.0245, 0.5323, 0.3931.



This preview shows how white text looks on a background with the Yxy color 20.0245, 0.5323, 0.3931.

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

20.0245, 0.5323, 0.3931

Protanopia

20.3094, 0.4209, 0.4655

Deuteranopia

20.1791, 0.4640, 0.4563



Tritanopia

20.1131, 0.4672, 0.3219

Trichromacy



Original Color

20.0245, 0.5323, 0.3931

Protanomaly

19.6418, 0.4640, 0.4371

Deuteranomaly

19.8800, 0.4902, 0.4322

Tritanomaly

19.9558, 0.4978, 0.3523

Monochromacy



Original Color

20.0245, 0.5323, 0.3931

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9510, 0.3943, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0245, 0.5323, 0.3931 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(196, 95, 32)` looks like.

```
.text, #text, p{  
    color:rgb(196, 95, 32)  
}
```

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(196, 95, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 95, 32) }
```

Border

The CSS property to change the border of an element to Yxy 20.0245, 0.5323, 0.3931 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(196, 95, 32) }
```

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

```
.border{ border-color:rgb(196, 95, 32) }
```

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

Here you see how a box with a 4 pixel rgb(196, 95, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 95, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 95, 32);  
box-shadow:4px 4px 4px 4px rgb(196, 95,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0245, 0.5323, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 95, 32) }
```

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

```
.background{ background-color: rgb(196, 95,  
32) }
```

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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