

Converting Colors

$Y_{xy}(20.9500, 0.5529, 0.3874)$

Have a look what the booklet for
Yxy(20.9500, 0.5529, 0.3874)
contains.

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Color

Yxy(20.9500, 0.5529, 0.3874)

Conversions

Conversions Part 1

Format	Color
Hex	D05B16
RGB	208, 91, 22
RGB Percent	82%, 36%, 9%
CMY	0.1843, 0.6431, 0.9136
CMYK	0.00, 0.56, 0.89, 0.18
HSL	22°, 81%, 45%
HSV	22°, 89%, 82%
XYZ	29.9000, 20.9500, 3.2285
YIQ	118.1170, 91.8810, 3.3450

Conversions

Conversions Part 2

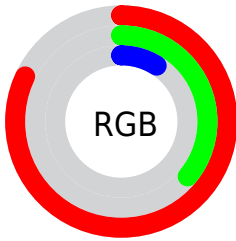
Format	Color
RYB	208, 132, 22
Decimal	13654806
CIELab	52.89, 43.09, 56.88
CIELCh	53, 71.362, 52.852
Yxy	20.9500, 0.5529, 0.3874
Android (android.graphics.Color)	4291844886 (0xFFD05B16)
YUV	118.1170, -47.3857, 78.8274
Hunter-Lab	45.7712, 36.5055, 27.8578

Details

The Yxy color **20.9500, 0.5529, 0.3874** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **23.2019, 0.1955, 0.2164**, and the grayscale version is **18.2869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7145, 0.4945, 0.3930**, and **7.5620, 0.6008, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **18.8501, 0.5777, 0.3789**, and if you desaturate by 10%, it is **23.5023, 0.5229, 0.3913**.

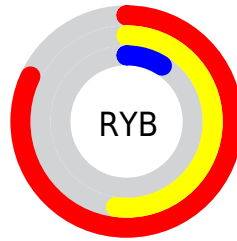
Distribution



Red (82%)

Green (36%)

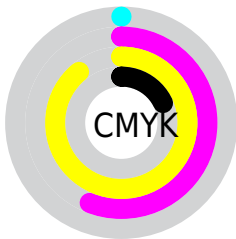
Blue (9%)



Red (82%)

Yellow (52%)

Blue (9%)

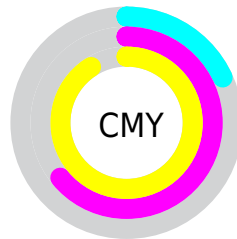


Cyan (0%)

Magenta (56%)

Yellow (89%)

Black (18%)



Cyan (18%)

Magenta (64%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9500, 0.5529, 0.3874 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 20.9500, 0.5529, 0.3874 by changing the saturation by 10% instead.


 20.9500, 0.5529,
0.3874


 20.9500, 0.5529,
0.3874


257.0127, 0.4254,
0.3727


 13.0875, 0.5820,
0.3826


 45.0043, 0.5073,
0.3877

 7.4888, 0.6242,
0.3758


 61.9649, 0.4897,
0.3859


 3.7696, 0.6537,
0.3463

 82.7269, 0.4747,
0.3838

 1.5455, 0.6986,
0.3014

 107.6747, 0.4619,
0.3814

 0.3205, 0.8209,
0.1791

 137.1929, 0.4509,
0.3791

 0.0000, 1.0000,
0.0000

 171.6656, 0.4412,

 0.0000, 0.0000,

0.3769

0.0000

211.4774, 0.4328,
0.3747

20.9500, 0.5529,
0.3874

20.9500, 0.5529,
0.3874

18.8501, 0.5777,
0.3789

23.5023, 0.5229,
0.3913

18.7379, 0.5791,
0.3784

26.5401, 0.4898,
0.3902

30.0926, 0.4562,
0.3851

34.1852, 0.4242,
0.3772

38.8413, 0.3952,
0.3677

■ 44.0827, 0.3695,
0.3576

■ 49.9301, 0.3472,
0.3474

■ 56.4031, 0.3281,
0.3377

■ 63.5201, 0.3118,
0.3285

Harmonies

Analogous

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



20.9500, 0.5374, 0.3103



20.9500, 0.5529, 0.3874



20.9500, 0.4921, 0.4739

Triad

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



20.9500, 0.5529, 0.3874



20.9500, 0.1839, 0.4382



20.9500, 0.1964, 0.1581

Complementary

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



20.9500, 0.5529, 0.3874



23.2019, 0.1955, 0.2164

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.



20.9500, 0.1378, 0.1589



20.9500, 0.5529, 0.3874



20.9500, 0.1285, 0.2864

Square

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



20.9500, 0.5529, 0.3874



20.9500, 0.2815, 0.5606



20.9500, 0.1161, 0.1955



20.9500, 0.2998, 0.1864

Rectangle

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



20.9500, 0.5529, 0.3874



20.9500, 0.4280, 0.5309



20.9500, 0.1161, 0.1955



20.9500, 0.1722, 0.1550

Sweetspot

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



20.9512, 0.5529, 0.3874



71.7401, 0.3646, 0.3554



15.8739, 0.4246, 0.2173



14.7032, 0.3728, 0.3590



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.



20.9512, 0.5529, 0.3874



29.3664, 0.5811, 0.3768



47.4224, 0.4393, 0.4829



12.5161, 0.3281, 0.3377



11.8482, 0.5766, 0.3804



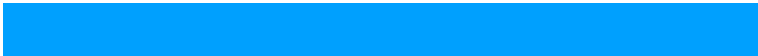
0.8127, 0.5418, 0.4080

Inverse Universe

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



23.2019, 0.1955, 0.2164



32.5124, 0.1889, 0.2001



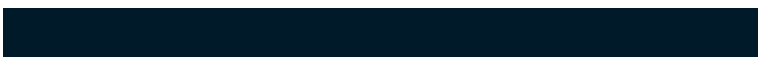
6.7448, 0.1595, 0.0845



12.6393, 0.2983, 0.3202



13.1231, 0.1899, 0.2036



0.8829, 0.1970, 0.2292

Previews

White Background



This preview shows how the Yxy color 20.9500, 0.5529, 0.3874 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 20.9500, 0.5529, 0.3874 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 20.9500, 0.5529, 0.3874

Background



This preview shows how black text looks on a background with the Yxy color 20.9500, 0.5529, 0.3874.



This preview shows how white text looks on a background with the Yxy color 20.9500, 0.5529, 0.3874.

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

20.9500, 0.5529, 0.3874

Protanopia

21.1173, 0.4293, 0.4730

Deuteranopia

20.9065, 0.4710, 0.4642



Tritanopia

20.9368, 0.4899, 0.3238

Trichromacy



Original Color

20.9500, 0.5529, 0.3874

Protanomaly

20.3340, 0.4781, 0.4387

Deuteranomaly

20.3019, 0.5047, 0.4334

Tritanomaly

20.7534, 0.5214, 0.3529

Monochromacy



Original Color

20.9500, 0.5529, 0.3874

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9290, 0.4082, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9500, 0.5529, 0.3874 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(208, 91, 22)` looks like.

```
.text, #text, p{  
    color:rgb(208, 91, 22)  
}
```

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(208, 91, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 91, 22) }
```

Border

The CSS property to change the border of an element to Yxy 20.9500, 0.5529, 0.3874 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(208, 91, 22) }
```

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

```
.border{ border-color:rgb(208, 91, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 91, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 91, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 91, 22);  
box-shadow:4px 4px 4px 4px rgb(208, 91,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9500, 0.5529, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 91, 22) }
```

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

```
.background{ background-color: rgb(208, 91,  
22) }
```

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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