

Converting Colors

$Y_{xy}(20.7865, 0.5787, 0.3787)$

Have a look what the booklet for
Yxy(20.7865, 0.5787, 0.3787)
contains.

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Color

Yxy(20.7903, 0.5794, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	DA5100
RGB	218, 81, 0
RGB Percent	85%, 32%, 0%
CMY	0.1451, 0.6824, 0.9996
CMYK	0.00, 0.63, 1.00, 0.15
HSL	22°, 100%, 43%
HSV	22°, 100%, 85%
XYZ	31.8590, 20.7903, 2.3369
YIQ	112.7290, 107.6530, 3.8530

Conversions

Conversions Part 2

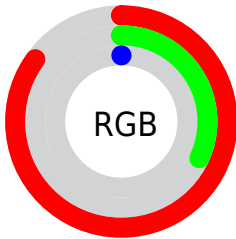
Format	Color
RYB	218, 129, 0
Decimal	14307584
CIELab	52.72, 51.12, 62.90
CIElCh	53, 81.054, 50.899
Yxy	20.7903, 0.5794, 0.3781
Android (android.graphics.Color)	4292497664 (0xFFDA5100)
YUV	112.7290, -55.5754, 92.3227
Hunter-Lab	45.5964, 44.9276, 28.8787

Details

The Yxy color **20.7903, 0.5794, 0.3781** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **22.9916, 0.1893, 0.2012**, and the grayscale version is **16.5766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9357, 0.5123, 0.3929**, and **7.4438, 0.6251, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **20.7807, 0.5795, 0.3781**, and if you desaturate by 10%, it is **23.0959, 0.5550, 0.3869**.

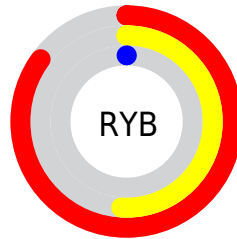
Distribution



Red (85%)

Green (32%)

Blue (0%)



Red (85%)

Yellow (51%)

Blue (0%)

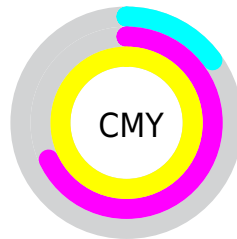


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (68%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7903, 0.5794, 0.3781 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 20.7903, 0.5794, 0.3781 by changing the saturation by 10% instead.


 20.7903, 0.5794,
0.3781


 20.7903, 0.5794,
0.3781

256.1619, 0.4407,
0.3735


 12.9708, 0.6094,
0.3692


 44.7383, 0.5312,
0.3836


 7.4084, 0.6463,
0.3537


 61.6355, 0.5121,
0.3833

 3.7188, 0.6794,
0.3206

 82.3275, 0.4957,
0.3823

 1.5176, 0.7283,
0.2717

 107.1986, 0.4815,
0.3807

 0.3010, 0.8526,
0.1474

 136.6332, 0.4692,
0.3790


 0.0000, 1.0000,
0.0000

 171.0157, 0.4585,

 0.0000, 0.0000,

0.3771


0.0000


 210.7305, 0.4490,
0.3753


 20.7903, 0.5794,
0.3781


 20.7903, 0.5794,
0.3781

 20.7807, 0.5795,
0.3781

 23.0959, 0.5550,
0.3869

 25.8992, 0.5253,
0.3913

 29.2437, 0.4922,
0.3905

 33.1610, 0.4585,
0.3856

 37.6796, 0.4263,
0.3778

■ 42.8261, 0.3970,
0.3684

■ 48.6249, 0.3710,
0.3582

■ 55.0993, 0.3485,
0.3481

■ 62.2711, 0.3291,
0.3382

Harmonies

Analogous

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



20.7903, 0.5613, 0.2983



20.7903, 0.5794, 0.3781



20.7903, 0.5101, 0.4726

Triad

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



20.7903, 0.5794, 0.3781



20.7903, 0.1725, 0.4669



20.7903, 0.1782, 0.1418

Complementary

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



20.7903, 0.5794, 0.3781



22.9916, 0.1893, 0.2012

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.



20.7903, 0.1197, 0.1438



20.7903, 0.5794, 0.3781



20.7903, 0.1124, 0.2867

Square

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



20.7903, 0.5794, 0.3781



20.7903, 0.2790, 0.6008



20.7903, 0.0989, 0.1837



20.7903, 0.2877, 0.1699

Rectangle

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



20.7903, 0.5794, 0.3781



20.7903, 0.4384, 0.5410



20.7903, 0.0989, 0.1837



20.7903, 0.1537, 0.1390

Sweetspot

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



20.7915, 0.5794, 0.3781



69.0697, 0.3718, 0.3586



16.7479, 0.4420, 0.2209



14.0088, 0.3824, 0.3629



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.



20.7915, 0.5794, 0.3781



29.3821, 0.5810, 0.3769



51.2846, 0.4452, 0.4847



13.8393, 0.3282, 0.3377



12.6379, 0.5769, 0.3802



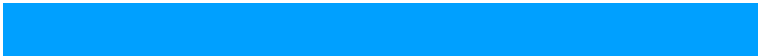
0.9806, 0.5460, 0.4046

Inverse Universe

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



22.9916, 0.1893, 0.2012



32.4820, 0.1889, 0.2000



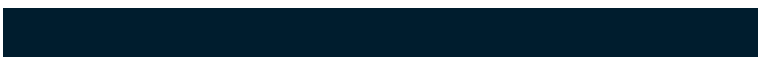
5.9502, 0.1526, 0.0693



13.9748, 0.2982, 0.3201



13.9775, 0.1898, 0.2032



1.0685, 0.1961, 0.2260

Previews

White Background



This preview shows how the Yxy color 20.7903, 0.5794, 0.3781 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 20.7903, 0.5794, 0.3781 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 20.7903, 0.5794, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 20.7903, 0.5794, 0.3781.



This preview shows how white text looks on a background with the Yxy color 20.7903, 0.5794, 0.3781.

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

20.7903, 0.5794, 0.3781

Protanopia

20.9875, 0.4323, 0.4804

Deuteranopia

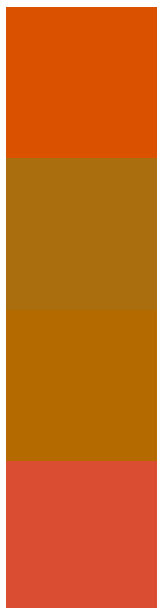
20.9065, 0.4710, 0.4642



Tritanopia

20.8270, 0.5219, 0.3247

Trichromacy



Original Color

20.7903, 0.5794, 0.3781

Protanomaly

19.7296, 0.4939, 0.4383

Deuteranomaly

20.1318, 0.5156, 0.4288

Tritanomaly

20.6068, 0.5552, 0.3524

Monochromacy



Original Color

20.7903, 0.5794, 0.3781

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.3545, 0.4297, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7903, 0.5794, 0.3781 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(218, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 81, 0)  
}
```

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(218, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 81, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.7903, 0.5794, 0.3781 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(218, 81, 0) }
```

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

```
.border{ border-color:rgb(218, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 81, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.7903, 0.5794, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 81, 0) }
```

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

```
.background{ background-color: rgb(218, 81,  
0) }
```

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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