

Converting Colors

$Y_{xy}(20.7009, 0.5872, 0.3720)$

Have a look what the booklet for
Yxy(20.7009, 0.5872, 0.3720)
contains.

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Color

$\text{Yxy}(20.6985, 0.5875, 0.3718)$

Conversions

Conversions Part 1

Format	Color
Hex	DE4C00
RGB	222, 76, 0
RGB Percent	87%, 30%, 0%
CMY	0.1294, 0.7019, 1.0000
CMYK	0.00, 0.66, 1.00, 0.13
HSL	21°, 100%, 44%
HSV	21°, 100%, 87%
XYZ	32.7067, 20.6985, 2.2658
YIQ	110.9900, 111.4120, 7.3160

Conversions

Conversions Part 2

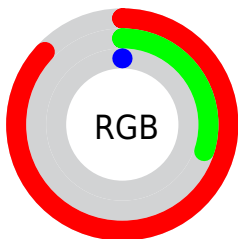
Format	Color
RYB	222, 116, 0
Decimal	14568448
CIELab	52.62, 54.61, 63.30
CIELCh	53, 83.598, 49.213
Yxy	20.6985, 0.5875, 0.3718
Android (android.graphics.Color)	4292758528 (0xFFDE4C00)
YUV	110.9900, -54.7181, 97.3558
Hunter-Lab	45.4956, 48.7062, 28.8941

Details

The Yxy color **20.6985, 0.5875, 0.3718** 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 **25.8241, 0.1921, 0.2114**, and the grayscale version is **16.0335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8404, 0.5163, 0.3890**, and **7.4211, 0.6362, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **20.7001, 0.5874, 0.3718**, and if you desaturate by 10%, it is **23.0041, 0.5625, 0.3809**.

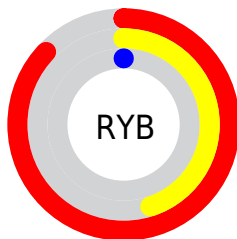
Distribution



Red (87%)

Green (30%)

Blue (0%)



Red (87%)

Yellow (45%)

Blue (0%)

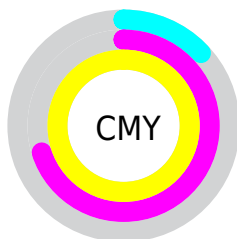


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (70%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6985, 0.5875, 0.3718 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 20.6985, 0.5875, 0.3718 by changing the saturation by 10% instead.


 20.6985, 0.5875,
0.3718


 20.6985, 0.5875,
0.3718


255.6718, 0.4447,
0.3716


 12.9038, 0.6183,
0.3617


 44.5852, 0.5380,
0.3791

 7.3623, 0.6556,
0.3444


 61.4460, 0.5183,
0.3795


 3.6897, 0.6901,
0.3099

 82.0976, 0.5014,
0.3789

 1.5016, 0.7405,
0.2595

 106.9245, 0.4868,
0.3778

 0.2898, 0.8655,
0.1345

 136.3109, 0.4742,
0.3763

 0.0000, 1.0000,
0.0000


 170.6413, 0.4631,


 0.0000, 0.0000,


0.3748


0.0000

 210.3002, 0.4534,
0.3732


 20.6985, 0.5875,
0.3718


 20.6985, 0.5875,
0.3718


 20.7001, 0.5874,
0.3718

 23.0041, 0.5625,
0.3809

 25.8603, 0.5318,
0.3857

 29.3167, 0.4973,
0.3855

 33.4100, 0.4622,
0.3813

 38.1733, 0.4288,
0.3742

■ 43.6370, 0.3985,
0.3655

■ 49.8297, 0.3719,
0.3561

■ 56.7781, 0.3489,
0.3467

■ 64.5075, 0.3293,
0.3376

Harmonies

Analogous

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



20.6985, 0.5643, 0.2920



20.6985, 0.5875, 0.3718



20.6985, 0.5188, 0.4676

Triad

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



20.6985, 0.5875, 0.3718



20.6985, 0.1731, 0.4832



20.6985, 0.1703, 0.1372

Complementary

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



20.6985, 0.5875, 0.3718



25.8241, 0.1921, 0.2114

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.



20.6985, 0.1137, 0.1408



20.6985, 0.5875, 0.3718



20.6985, 0.1097, 0.2930

Square

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



20.6985, 0.5875, 0.3718



20.6985, 0.2829, 0.6129



20.6985, 0.0945, 0.1834



20.6985, 0.2788, 0.1639

Rectangle

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



20.6985, 0.5875, 0.3718



20.6985, 0.4460, 0.5391



20.6985, 0.0945, 0.1834



20.6985, 0.1465, 0.1349

Sweetspot

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



20.7001, 0.5874, 0.3718



68.0119, 0.3724, 0.3563



17.6667, 0.4289, 0.2136



13.7619, 0.3833, 0.3604



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.



20.7001, 0.5874, 0.3718



28.1284, 0.5888, 0.3707



50.2248, 0.4526, 0.4788



14.4640, 0.3283, 0.3371



12.4824, 0.5848, 0.3739



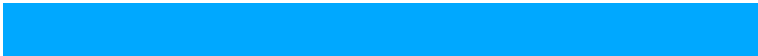
1.0277, 0.5549, 0.3976

Inverse Universe

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



25.8241, 0.1921, 0.2114



35.1071, 0.1918, 0.2105



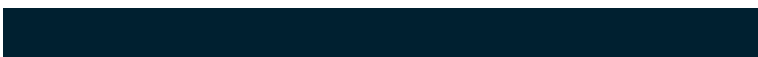
6.5967, 0.1537, 0.0732



14.7406, 0.2982, 0.3208



15.5541, 0.1926, 0.2133



1.2426, 0.1981, 0.2332

Previews

White Background



This preview shows how the Yxy color 20.6985, 0.5875, 0.3718 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 20.6985, 0.5875, 0.3718 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 20.6985, 0.5875, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 20.6985, 0.5875, 0.3718.



This preview shows how white text looks on a background with the Yxy color 20.6985, 0.5875, 0.3718.

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

20.6985, 0.5875, 0.3718

Protanopia

20.9914, 0.4319, 0.4797

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.7025, 0.5345, 0.3259

Trichromacy



Original Color

20.6985, 0.5875, 0.3718

Protanomaly

19.4175, 0.4977, 0.4345

Deuteranomaly

19.8457, 0.5198, 0.4255

Tritanomaly

20.6665, 0.5648, 0.3500

Monochromacy



Original Color

20.6985, 0.5875, 0.3718

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.7696, 0.4341, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6985, 0.5875, 0.3718 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(222, 76, 0)` looks like.

```
.text, #text, p{  
  color:rgb(222, 76, 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(222, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 76, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6985, 0.5875, 0.3718 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(222, 76, 0) }
```

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

```
.border{ border-color:rgb(222, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 76, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6985, 0.5875, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 76, 0) }
```

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

```
.background{ background-color: rgb(222, 76,  
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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