

Converting Colors

$Y_{xy}(20.2333, 0.5232, 0.4001)$

Have a look what the booklet for
Yxy(20.2333, 0.5232, 0.4001)
contains.

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Color

$\text{Yxy}(20.2344, 0.5232, 0.4001)$

Conversions

Conversions Part 1

Format	Color
Hex	C06320
RGB	192, 99, 32
RGB Percent	75%, 39%, 13%
CMY	0.2471, 0.6117, 0.8744
CMYK	0.00, 0.48, 0.83, 0.25
HSL	25°, 71%, 44%
HSV	25°, 83%, 75%
XYZ	26.4600, 20.2344, 3.8790
YIQ	119.1690, 76.9350, -1.1210

Conversions

Conversions Part 2

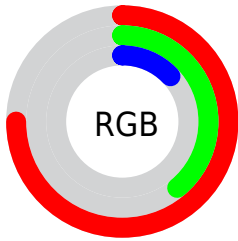
Format	Color
RYB	192, 147, 32
Decimal	12608288
CIELab	52.10, 32.94, 51.61
CIElCh	52, 61.223, 57.452
Yxy	20.2344, 0.5232, 0.4001
Android (android.graphics.Color)	4290798368 (0xFFC06320)
YUV	119.1690, -42.9743, 63.8728
Hunter-Lab	44.9827, 26.2787, 26.3751

Details

The Yxy color **20.2344, 0.5232, 0.4001** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **18.7821, 0.1965, 0.2115**, and the grayscale version is **18.6264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8286, 0.4813, 0.3943**, and **7.1867, 0.5708, 0.3850** is the 20% darker color. If you saturate the color by 10%, you get **18.1890, 0.5494, 0.3952**, and if you desaturate by 10%, it is **22.6350, 0.4933, 0.3998**.

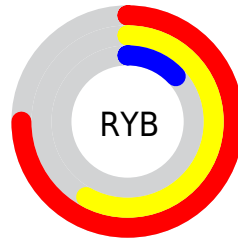
Distribution



Red (75%)

Green (39%)

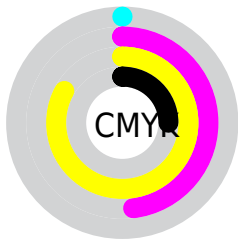
Blue (13%)



Red (75%)

Yellow (58%)

Blue (13%)

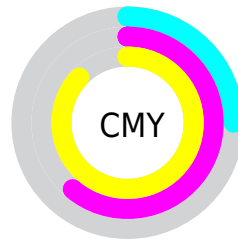


Cyan (0%)

Magenta (48%)

Yellow (83%)

Black (25%)



Cyan (25%)


Magenta (61%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2344, 0.5232, 0.4001 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 20.2344, 0.5232, 0.4001 by changing the saturation by 10% instead.


 20.2344, 0.5232,
0.4001


 20.2344, 0.5232,
0.4001


253.1812, 0.4093,
0.3738


 12.5655, 0.5506,
0.3998

 43.8098, 0.4815,
0.3947

 7.1301, 0.5880,
0.3975


 60.4852, 0.4658,
0.3913


 3.5436, 0.6219,
0.3781

 80.9315, 0.4525,
0.3879

 1.4217, 0.6617,
0.3383

 105.5332, 0.4412,
0.3846

 0.2326, 0.8170,
0.1830

 134.6746, 0.4315,
0.3815

 0.0000, 0.0000,
0.0000

 168.7401, 0.4231,

0.3787

208.1142, 0.4158,
0.3762

20.2344, 0.5232,
0.4001

20.2344, 0.5232,
0.4001

18.1890, 0.5494,
0.3952

22.6350, 0.4933,
0.3998

17.0011, 0.5648,
0.3898

25.4080, 0.4621,
0.3949

28.5728, 0.4316,
0.3867

32.1461, 0.4031,
0.3766

36.1436, 0.3774,
0.3654

■ 40.5800, 0.3547,
0.3541

■ 45.4691, 0.3349,
0.3429

■ 50.8241, 0.3178,
0.3324

■ 56.6578, 0.3032,
0.3225

Harmonies

Analogous

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



20.2344, 0.5171, 0.3269



20.2344, 0.5232, 0.4001



20.2344, 0.4660, 0.4769

Triad

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



20.2344, 0.5232, 0.4001



20.2344, 0.1896, 0.4022



20.2344, 0.2212, 0.1767

Complementary

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



20.2344, 0.5232, 0.4001



18.7821, 0.1965, 0.2115

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.



20.2344, 0.1606, 0.1738



20.2344, 0.5232, 0.4001



20.2344, 0.1432, 0.2784

Square

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



20.2344, 0.5232, 0.4001



20.2344, 0.2746, 0.5161



20.2344, 0.1354, 0.2035



20.2344, 0.3198, 0.2070

Rectangle

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



20.2344, 0.5232, 0.4001



20.2344, 0.4076, 0.5205



20.2344, 0.1354, 0.2035



20.2344, 0.1967, 0.1725

Sweetspot

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



20.2355, 0.5232, 0.4001



71.7954, 0.3591, 0.3564



13.7293, 0.4294, 0.2269



14.7846, 0.3671, 0.3604



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.2355, 0.5232, 0.4001



30.3362, 0.5674, 0.3877



43.4154, 0.4265, 0.4867



10.7555, 0.3279, 0.3387



11.5873, 0.5626, 0.3915



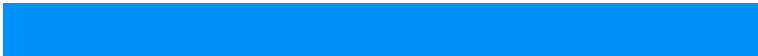
0.6367, 0.5230, 0.4229

Inverse Universe

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



18.7821, 0.1965, 0.2115



27.2252, 0.1842, 0.1830



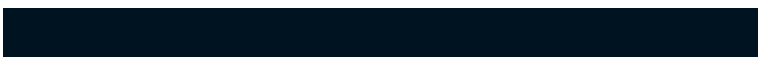
6.0168, 0.1638, 0.0891



10.6986, 0.2984, 0.3191



10.4563, 0.1854, 0.1873



0.5855, 0.1951, 0.2222

Previews

White Background



This preview shows how the Yxy color 20.2344, 0.5232, 0.4001 looks on a white background.

Color Contrast Check

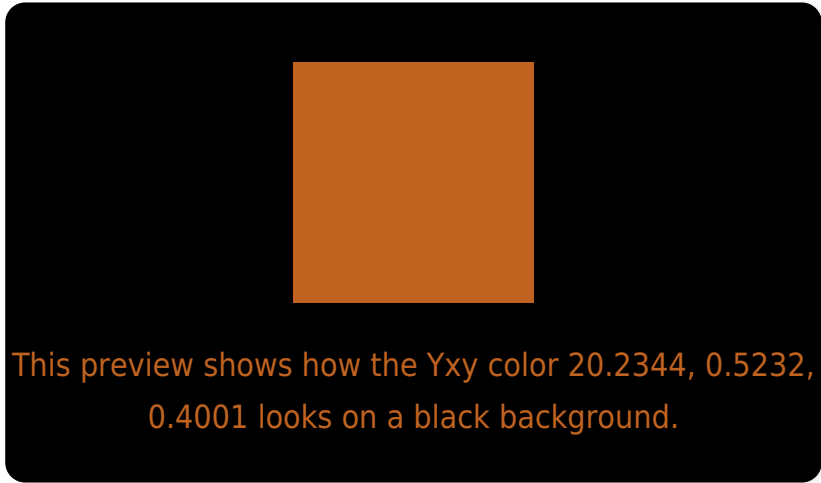
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.2344, 0.5232, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 20.2344, 0.5232, 0.4001.



This preview shows how white text looks on a background with the Yxy color 20.2344, 0.5232, 0.4001.

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

20.2344, 0.5232, 0.4001

Protanopia

20.3892, 0.4229, 0.4657

Deuteranopia

20.1868, 0.4631, 0.4552



Tritanopia

20.3317, 0.4535, 0.3216

Trichromacy



Original Color

20.2344, 0.5232, 0.4001

Protanomaly

19.9891, 0.4607, 0.4415

Deuteranomaly

19.9895, 0.4871, 0.4337

Tritanomaly

20.1618, 0.4855, 0.3546

Monochromacy



Original Color

20.2344, 0.5232, 0.4001

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3875, 0.3929, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2344, 0.5232, 0.4001 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(192, 99, 32)` looks like.

```
.text, #text, p{  
    color:rgb(192, 99, 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(192, 99, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 99, 32) }
```

Border

The CSS property to change the border of an element to Yxy 20.2344, 0.5232, 0.4001 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(192, 99, 32) }
```

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

```
.border{ border-color:rgb(192, 99, 32) }
```

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

Here you see how a box with a 4 pixel rgb(192, 99, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 99, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 99, 32);  
box-shadow:4px 4px 4px 4px rgb(192, 99,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2344, 0.5232, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 99, 32) }
```

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

```
.background{ background-color: rgb(192, 99,  
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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